

FIGURE 1-A

>19:60156701-60251100

1	ctaaaaatac	aaaaaaatta	gctgggcaca	gtggtgaatg	cctgtaatcc	cagctacttg
61	ggaggctgag	gcaggagaat	tgcttgaatc	cgaggaggcag	aggttgtagt	gagccgagat
121	tgcagcactg	cactccagcc	agggtgacaa	agtgagactc	cgtctcaaaa	aaaaaaaaaa
181	aaaaWataca	aaaagtagct	gagcgtgggtg	gtgggtgccc	ataatcccag	ctagtcRgga
241	ggctgaggca	ggagaactgt	ttgaacctgtg	gaggcagagg	ttgcagttag	ctgagatcgt
301	actactgtac	tccagcctgg	gctgcagagt	gaaactatct	caaaaaaag	taataaaaag
361	taaaatgagt	tgaggtcttg	ctctgttgcc	cagatgggag	tgagtggtgca	caatcaaggc
421	tcaactgcagt	ttcagtctcc	caggctcaag	caatcctccc	actgcagcct	cctgagtagc
481	tgggactaca	ggcatgtacc	accaccact	gctaacttat	ttttcatgga	gatgggggtc
541	tcactatggt	gccaggctg	ggagtttggt	cttgaagaag	cagggtagat	ggtgagtgtc
601	cttggttcgtg	gcacagcagg	aactggcatt	tgagacagga	Stgctaataca	ccatccctct
661	ccactcctcc	cttgattgtc	atcacagctc	ccacgtggga	caagatgggtg	tcttcggcRc
721	agatgggctt	caacctgcag	gctctcctgg	agcagctcag	ccaggatgag	ttgagcaagt
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901	actgggtgga	gatggcgagc	ctccaggctc	ttgaaaagat	gcaccgaatg	gatctgtctg
961	agagagcaaa	ggatgaagtc	agaggtgagY	ggaaatcggt	ccacactgtg	tcctaggagg
1021	aagcaggcgt	cctctccagg	acttttagaaa	ttcagaaggc	caggcgcgct	ggctcacgcc
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1141	gaccagcctg	accaacatgg	tgatgaaca	gcactctctac	taaaaatata	aaaatttgct
1201	ggacgtgggtg	gcagacacct	gtaatcccag	ctactccggg	aggtgagggc	aggagaaatca
1261	cttaaatacta	ggaggcgggg	gttgctatga	gccgagatca	cgccattgca	ccccagcctg
1321	ggcaacaaga	gcaaaattct	gtctcaaaaa	aaaaaagaaa	tggcatttag	gcttgagagag
1381	ggactgcttg	ttctgaatgc	aggtgtctga	tcttcataaa	ccctgggtgc	tgctcctggc
1441	cttattttct	acctacttct	ttttttttt	ttttttgtcc	ttttattttt	ttatttttta
1501	ttttattatt	attatttttt	ttattatact	ttaaagtttta	gggtacatgt	gcacattgtg
1561	caggtttagtt	acatatgtat	acatgtgcca	tgctgggtgcg	ctgcaccac	taactcgtca
1621	tctagcatta	ggtatatctc	ccaatgtat	ccctcccccc	tccccccacc	ccaccacagt
1681	ccccagagtg	tgatgttccc	cttctgtgtg	ccatgtgatc	tcattgttca	attcccacct
1741	atgagtgaga	atatcggtg	tttcttttt	tggtcttggtg	atagtttact	gagaaatgatg
1801	gtttccaatt	tcattccatgt	ccctacaaag	gacatgaact	catcattttt	tatggctgca
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1921	ttgggttggt	tccaagtctt	tgctattgtg	aataatgctg	caataaacat	acgtgtgcat
1981	tggtctttat	agcagcatga	tttatagtc	tttgggtata	taccagtaaa	tgggatggct
2041	gggtcaaatg	gtatttctag	ttctagatcc	ctgaggaatc	cccacaccga	cttcacaaat
2101	ggttgaacta	gtttacagtc	ccaccaacag	tgtgaaagtg	ttcctatttc	tccacatcct
2161	ctccagcacc	tggtgtttcc	tgacttttta	atgatcgcca	ttctaaactg	tgtagatga
2221	tatctcatag	tggttttgat	ttgcatttct	ctgatggcca	gtgatgatga	gcattttttc
2281	atgtgttttt	tggctgcata	aatgtcttct	tttgagaagt	gtctgttcat	gtcgttcgcc
2341	cactttttga	tgggttggtt	gtttttttt	ttgtaaaatta	ttttctacct	atttctatcg
2401	ctttcaggta	tcgtacagtt	ggcctaacat	atctgtggat	ttaaccaatc	ctagatcaaa
2461	aataatgggg	gcaaagacaa	ttaaaaataa	caatacaata	aatgcacat	gaactatggt
2521	tatttaactc	ttcttgagag	aggatctcac	tctgtcaccc	aggttggaat	ttagcagcac
2581	gatctcggct	cactgcaacc	tccgcctccc	gggttcaagc	gattctcctg	cctcagcctc
2641	ccgagtagcc	gggattacaa	gcattgtccc	ccatgcctgg	ctgatttttt	tttttttttt
2701	ttttgtattc	taaatagaga	tgggttttca	ccatgttagc	caggatagtc	tcgatgtcgt
2761	gacctcatga	tctgcccgcc	tgggcctccc	aaagtgttgg	gattacaggc	gtgagccacc
2821	gcacccagcc	agcaagtga	tttagaacta	ctctactttc	taccccataa	cttttttttt
2881	tgtttgtttg	agacaagtct	cactctgYca	cccaggatgg	agtgcagcag	cacaatctca
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3301	tcattcttgt	atatatatat	attttttag	agatagggtt	tcacatgtt	gcccaggctg
3361	gtctcgaact	tctgtgggct	caaccgatcc	tcctgccttg	gcttcccaca	gtcctgggat
3421	cagaaacatg	agccacagtg	cctggccagt	gcagctttat	ttacagtaac	caagatatag
3481	agtcagctca	agtaccatc	agtggatgaa	taaaaaatgt	gcccgttggg	tacctgtcct
3541	actgcctggg	ttatgagatt	gttgggaccc	caagccttaa	aaaggaaaca	tggtaggcg
3601	ggcacagtgg	ctcacgcctg	taatcacagc	actttgggag	gccaaggcgg	gtggatcact
3661	tgaggccagg	agtttgagac	cagtcaggcc	aatgtggtga	aacctgtct	ctactaaaaa

FIGURE 1-B

3721	tataaaaaaa	tcagccgggc	gtggtggcac	actcctgtag	tcccagctac	ttggggaggct
3781	gaggcaggag	gattgcttga	accagagagt	cagaggttgc	agttagccaa	gatacgtgcca
3841	ctgcgctcca	gcctgggtga	cagcaagact	ccatctcaaR	aaaaaaaaac	aaacaaacat
3901	ggtattaatt	acacaatgga	atactcctca	accttaagga	actcctatct	ttttatttaa
3961	aaattgccag	ttttattttca	gctagagatc	acttttttagc	ataatgtttc	ctgtcttttaa
4021	caatgggtga	gggttttttt	tttttttttt	ttggtttggt	ttggattttg	gttttgcttt
4081	tgagtcgaag	tttactcttt	gtctcccagg	ctagagtgc	atggcgcgat	ctcggtcac
4141	tgtgacctcc	tcctcccagg	tttaagtgat	tctcctgcct	cagcctccag	agtagctggg
4201	attacaggcg	cctaccacca	tgcccgttaa	tttttgatt	ttagtagaga	cagggtttta
4261	ccatgttgac	cagactgggtc	tcgaactccc	gacctcaggt	gatctgccc	cctcagcctc
4321	ccagagtgtc	gggattacag	gtgtgagcaa	ccatgcccgg	ccaaggggtt	ttaacttttag
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4441	tacgaaggtc	tgggtctctga	aaaagataca	aattttcttt	ccatgccaat	agcRctcaca
4501	cagacatggt	gaatgttctt	gaaacccgcc	ggactttctg	taagaagtgt	ggcaagcacc
4561	acccccacaa	agtgcacaaa	ggcaaggatt	cttggtatgc	ccaggggaag	tagtgttatg
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5101	ttctaaRtgt	catcttttct	tttatgaagg	caataaaatc	ttgagcttat	ggtaaaatgc
5161	aaaattttcc	ccccttctcc	tttttcagaa	gcagctttga	aatcctttaa	taaaaggaaR
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6241	tgccattctc	ctgcctcagc	ctcccagtag	gctgggacta	caggcgccca	ccaccacgcc
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6661	ctcctggtct	caagtgatcc	tcccaccttg	gcctcccaaa	gtgctgggat	tacagacatg
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7141	ttctcctgcc	ttagcctccc	aagtagctgg	gattacaggc	gcctaccacc	acgtctggct
7201	aatttttgta	tttttagtag	agacagggtt	tcacatgtt	ggccaggctg	gtctcaaaact
7261	gctgacctca	aatgaactgt	ctgcctcagc	ctcaciaaagt	actgggatta	caggcatgag
7321	ccacctcacc	tgtgtgtgaa	gactctaaag	gctcttctca	gatcagcctt	tgtcctgaat
7381	ttcactatgcc	cgtgtccagt	tccctcccca	gcactcttttc	aggagtcca	tggactcacc
7441	tcttcattat	ccagggttaa	gctgcagata	ttgttattag	gattccacct	tgttctctct
7501	cttttttttt	ttttttttga	tacggagtct	cgcttgctct	tttgccaggc	tgaagtgcag

FIGURE 1-C

7561	tggagcgatc	ttggctcact	gcaatctccg	cctcctgggt	tcaagcaatt	cccttgccctc
7621	agcctcgcaa	gtagctggga	cttacaggtg	acacaccacc	atgcccggt	aattttttgt
7681	tttagtagag	acggggcttc	accatgttgg	ccgggatggt	ctcgatctcc	tgacctcatg
7741	atccgcctgc	cttgccctcc	caaagtgttg	ggttacaggc	atgagccacc	atgcccggt
7801	gattccacct	tgttcttaca	ttctttccca	gttcatttta	aatttatcta	cctcatcaga
7861	aactaggggg	ttaggcctgg	caggcagatc	acctgaggtt	gggagttcga	gaccagcctg
7921	accaacgtag	agaaaacctg	tctgtactaa	aaatacaaaa	ttagccaggt	atggtggcac
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8281	ggcctaattgt	actttcactt	ttacatccag	taccttatca	acgtcctttt	tagtacctaa
8341	tctaggcttc	actactgaga	ctcaggggtc	caacttgagc	catcttggtg	tcccactgcc
8401	agcacagcaa	caggcctgta	atgccgccct	ttttctccag	ggataaacag	gaaagaacga
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8581	tcctttgaag	aaccccatct	ctctccaatc	ttttcctcca	ctattcttaa	tgtgccact
8641	gtctcctgga	gaatgccaac	ctcccttccR	taagaataga	gggaagaacg	aacgttgacg
8701	agaattagaa	ctcagtttgt	agaaagttag	gagcacagcg	cagagagttt	ttgtttttgt
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8821	cactgtaacc	tccacctccc	aggctcaagc	gattctcctg	attctcctga	ctccacctcc
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8941	gagacgaagt	cttgttcttg	tcaccagggc	tggagtatag	tggcaccatc	cctgttccact
9001	gcaacctccg	cctcccagat	tcaagtgtat	gtcctgtctc	agcctcctga	gtagctggga
9061	ctacaggtgc	atgccaccac	gcccagctaa	tttttttttg	tacttttagt	agagacaggt
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9181	ccccaaagtct	cccgaagtgc	tgggattaca	ggcgagagcc	accgtaccgc	gccttcttta
9241	aattatttaa	aagttgacag	gtggccaggt	gtggtggctc	tcacctataa	tctcccagca
9301	ctttggggagg	ctgaggcggg	tggatcaaga	gatcgagacc	atcctggcca	acatggtgaa
9361	acccaactct	actaaaaaca	caaaaattag	ccgggtgttg	tggcaccgcg	ctgtagtccc
9421	agctactcag	gaggctgagg	caggagaatt	gcttgaacct	gggaggtgga	gtctgagtg
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9541	aaaaaaaaaa	aattgacagg	cataaatgta	tttatggtac	attgctcaga	caactttaat
9601	ataaacaact	tacagagaaa	attgagtctt	ttgggtaggt	gacttgccctg	agctgacttt
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9961	accgcaccta	gcctgtgatc	agttttcagat	cagccttgct	tactccacat	tccctcttat
10021	cttctcgtga	gcatttttgt	ttttcttgta	gaaagagttt	tgcccttgct	tcccaggtta
10081	gagtgcgaatg	gtgtgatctc	ggctcgccac	aacctccacc	tcccaggttc	aagtgattct
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10201	gcatttggtta	gttttatttt	tagtagacag	ggtttcacca	tgttgggcag	gctggtcttg
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10321	tgagccaccg	tacctagccc	acattgactt	ttgatacagc	aagtatttct	tgctatggct
10381	ctgtataata	gaggtgagta	acttggttga	aggaattgtt	tgccctgttc	atctctctag
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10501	tgttgccag	actggagtgc	agtgggtcaa	tcttggccca	ctgcaacctc	tgctaccacg
10561	gttcaagcga	ttctcctgcc	tcagcctccc	aaatagctgg	gagtaacagt	gtgtgccacc
10621	acgcccagct	aattttttgt	attttagtag	agacagggtt	tcaccgtgtt	agtcaggatg
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10741	ggcgtgagcc	actgtgcccc	gcctagcaca	caatcttgac	aaagaatttc	ggtgcgactt
10801	gggggtactgt	ggtgcctgct	ctatcatcat	gcttcagcag	gaaatgtggg	tgaatagtgc
10861	ctgggtggcat	ggcaggtaaa	gaaatgtttt	gttttgtttt	tttttttgag	acagtcttgc
10921	tctgtcacc	aagctggagt	cagtgccgyc	aatctcggct	cactgcaagc	tccatctccc
10981	gggttcacgc	cattctgcct	cagcctcccc	agtagctggg	actacaggcg	cccgccacac
11041	gcccggctaa	ttttttgtat	ttgtagtaga	gacagggttt	caccgtgtta	gccaggatgg
11101	tctcgatctc	ctgaccttat	gatccaccgc	ccttggcctc	ccaaagtgtc	gggattacag
11161	gcgtgagcca	ccgcgcccag	cgcgggttaa	agaaatttat	gaagacaatc	gtaggtaaag
11221	gaaggcagat	ttattggaga	acgtaggaaa	agacattggc	agagagacc	cagcgggcag
11281	gttgtcatga	gtagctcact	gccaggagac	caaagcttcc	tgcagatttt	atagaatagg
11341	gcttgggctg	attgataatg	tcaacagggg	gtttaacttg	cggctctctt	tcagcagaag

FIGURE 1-D

11401	tgttttgataa	actgaggcgt	ttcatggcaa	acagggagtt	tgtgagctct	gtgtgtgatac
11461	tggccaggaa	ggccaaacat	cttgggcgct	atctcctgga	ccataaaaagc	agacctggcc
11521	cagtgcagtg	gttcatgcct	gcaatcccag	cacttttgga	ggctgaggtg	ggtggatcat
11581	ctgaggtcag	cagttttaga	ctggcctggc	caacatggcg	aaaccccatc	tctactaaaa
11641	atacaaaaat	tagcctagac	gcagtggcac	atgcctgtaa	ttccagttac	ttgggaagct
11701	gaggcaggag	aatcgcttga	acccgggagg	cggaggttgc	agtgagctga	gattgcgccca
11761	ctgcactcca	gcctgggcaa	cagagtgaga	ctgtctcaaa	cagacctata	gctgacctgt
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11881	tggagtcttg	ctctgttgcc	caggggtggag	tgcagtatgt	cgatctctta	ctacaacctc
11941	catctcccag	gttcaagcaa	ttctcgagcc	tcttggcctc	ccaagtagct	gagattacag
12001	gcatgcgccca	ccacgcctgg	ctaatttttg	catttttagt	agagatgggg	tttctgtgtt
12061	ggccaggctg	gtctcgaact	cctgagctca	agtgatccac	cccacctcag	cctcccaaag
12121	ttctgggatt	ataggcatga	gccaccacac	ctggccggaa	aacacatttg	tagcttattt
12181	gctttatctg	atcccgtgcc	ccccctcccc	cccgcccat	cagcctgcct	ccttttctct
12241	aattgggact	ccacaggaaa	tacacctgat	tttgtgtcaa	tctcacatga	gtttgtattt
12301	tgtagcgttt	acagaaacga	aaggaaatgt	catctgcctg	ggtaaagaag	tctttaaagg
12361	aaaaaagcca	ggtctgtacc	atatcttcct	gcagggagct	tgggatcaga	tttctcttta
12421	taaacttgaa	gtcctcttaa	ctttcctatg	taacacaaaag	catttattta	tgtatgtatg
12481	tatcgagacg	gagttttgct	cttgttgccc	aggctggagt	gcctggcgct	gatctcgact
12541	cactgcaacc	tccgcctccc	aggttcaagc	aattctcctg	cctcagcctc	ccgagtagct
12601	gggattacag	gcatgcgccca	ccatgactgg	ctaatttttt	atttttagta	gagacaaggt
12661	ttcttcatgt	tggtcaggct	gggttgtaac	tcccaatgtc	aggatgatctg	ctgcctcga
12721	cctcccaaag	ggctgggatt	acaggcatga	gccactgtgc	ccggccaaca	caaggcattt
12781	tgttattttg	gttttcccta	tgggtaactg	attgcatcct	ctctcccttc	cctcctcacc
12841	aatgataaag	acaaagacaa	taggtgcagg	tatatattga	agacgaagtt	ccgggagatg
12901	tggaagagct	ggcctggaga	tagcaaagag	gtccaggtta	tggctgagag	atacaagatg
12961	ctgataccat	tcagcaaccc	cagggtgctt	ccggggccct	tctcatacac	ggtggtgctg
13021	tatggtcctg	caggccttgg	gaaaaccacg	ctggcccaga	aactaatgct	agactgggca
13081	gaggacaacc	tcatccacaa	attcaaatat	gcgttctacc	tcagctgcag	ggagctcagc
13141	cgcctgggcc	cgtgcagttt	tgcagagctg	gtcttcaggg	actggcctga	attgcaggat
13201	gacattccac	acatcctagc	ccaagcacgg	aaaatcttgt	tcgtgattga	cggtttgat
13261	gagctgggag	ccgcacctgg	ggcgctgatac	gaggacatct	gcggggactg	ggagaagaag
13321	aagccgggtgc	ccgtcctcct	ggggagtgtt	ctgaacaggg	tgatgttacc	caaggccgcc
13381	ctgctggtca	ccacgcggcc	cagggccctg	agggacctcc	ggatcctggc	ggaggagccg
13441	atctacataa	gggtggaggg	cttcctggag	gaggacagga	gggcctattt	cctgagacac
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13741	ctcctggccg	cgcagggcct	gtgggcgcag	acgtccgtgc	ttcaccgaga	ggaYctggaa
13801	aggctcgggg	tgcaggagtc	cgacctccgt	ctgttctctg	acggagacat	cctccgccag
13861	gacagagctc	ccaaaggctg	ctactccttc	atccacctca	gcttccagca	gttctcact
13921	gccctgttct	acaccctgga	gaaggaggag	gaagaggata	gggacggcca	cacctgggac
13981	attggggacg	tacagaagct	gctttccgga	gtagaaagac	tcaggaaccc	cgacctgatac
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14341	aaaatgtcac	tgcaggtaat	aaaggagaat	ctcccggaga	atgtcactgc	gtctgaatca
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14701	ggctaattttt	tatattttca	ttagagacgg	gatctcagca	tgttggccag	tctggtcttg
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14821	gattcaccat	gcccggccca	aatataattt	tttaagacag	ggtcttgctg	tgttgctcag
14881	gctggagtag	agtggtgaaa	tcagctcaact	gcatacctcaa	acttctgggt	tcaagtgatg
14941	ttcctgagta	cctgggatga	caggtattaa	gtgtgcacca	tcatgtccag	ctaacttaag
15001	tgggggtttt	tttttgtgtt	tttttttttt	tttttttttt	tggaaagaca	aaactcact
15061	atgttgtcca	ggctggctct	tgaactccaa	agcactgaga	ttacagcat	gagttaccac
15121	acgccttggc	tgaatatttc	ttattgatata	gtatagatat	gtatattccc	aatctttttt
15181	tttttttttg	agacggagtt	tcactctttt	tcccaggctc	gagtgaagtg	gctcgatctc

FIGURE 1-E

15241	ggctcactgc	aacctccgcc	ccaccaggtt	caatgattct	cctgcctcag	cctcatgagt
15301	agctgggatt	acagccaccc	acgaccatgc	ccagctaatt	tttgactttt	tagtagagac
15361	ggggtttcac	catgttggcc	aggcaggtct	cgaactcccg	acctcaggtg	atccacccgc
15421	ctcagcctca	caaagtgcta	ggattatagg	cgtgagtcac	cgtgcccggg	ctatattctc
15481	tatcttttat	caatgatgtg	cttagcattt	taacttattt	ttaccctcta	ttggattttt
15541	gtctaagaag	aataggttct	ttctcctgtg	atgcttcttg	ggtgttgagt	tgctgatgg
15601	tggtgctaata	aagtgattac	atggtccagc	tttcaattgt	actcatttgt	caggggtata
15661	tgcccagaga	aaccttaaat	acttcagccg	tgatggacac	acatttgggtg	taaccttttc
15721	ttctcttccc	tatagatccc	aggatgatca	gcacatgctt	cctttctgga	cggacctttg
15781	ttccatattt	ggatcaaata	aggatctgat	gggtctagca	atcaatgata	gctttctcag
15841	tgccctcccta	gtaaggatcc	tgtgtgaaca	aatagcctct	gacacctgtc	atctccagag
15901	agtgggtgtaa	gtagaaacta	attcatgaac	tcaaatcctt	agggatatgaa	aatgggtacaa
15961	tgттаacatc	ggagcaatat	tcagattcct	gtactagact	cttaagtgtc	cgagacacag
16021	ggaattgaga	gagtcctgtc	cttaaattta	ttttgtggga	taatcgtata	aagtaatttc
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16141	cagatcactt	gaggtcagga	gttcgagacc	agcctggcca	acgtgacaaa	accctgcctc
16201	tactaaaaat	acaaaaatta	tccaggcgtg	gtggcaggca	cctgtaatat	cagctacttg
16261	ggaggctgag	gcaggagaat	tacttgaacc	caggaggcgg	aggttgagct	gaaccaagat
16321	cctgccactg	gactccagtc	tgagtgcagc	agcgaRactg	cgtctcaaaa	aaaaaaaaaa
16381	aaaaaaagaa	aaagaaaaaa	agggccgggc	acaatggctc	acgcctgtag	tcccagcact
16441	ttggggggccc	aaggtggggg	gatacattga	ggtcaggagt	tcaagaccag	cctggccaag
16501	atgggtgcaag	accctgtctc	tacgaaaaat	acaaaaattt	gccagggtgc	gtgctcaggtg
16561	cctataatcc	cagctactcc	ggatgctgag	ggtaggagtc	gcttgaatcc	gggaggcaga
16621	gtttgctttg	cagtgcgccc	agatcgcgcc	actgcactcc	agcctgggca	acagagtgcg
16681	actccatctc	aaagaaaaaa	aaaatctgta	aagatggaca	aaaatttaaa	catggaaaaa
16741	atagttccta	aagtttaaat	atatcgagcc	cctgggtttcc	atttaagtag	gatacagggtg
16801	tacacactaa	agatttcact	ttcgttctct	ttccctagg	ttcaaaaaaca	tttccccagc
16861	tgatgctcat	cggaaacctct	gcctagctct	tcgaggtcac	aagactgtaa	cgtatctgac
16921	ccttcaaggc	aatgaccagg	atgatatggt	tcccgcattg	tgtgagggtct	tgagacatcc
16981	agaatgtaac	ctgcgatatc	tccgggtatat	ctcttaataca	ttaaaaatcct	tcatcatata
17041	aacataagct	accacaagct	tatgtggcaa	ttttgtgtaa	ataagaaaaa	gttcgttatt
17101	cgtgactaga	acagtactaa	ggcgagctga	ccaggatgc	agcatgggct	gaactgtgag
17161	ttcYacttgc	cttgaacagt	aaacacctg	gacaaccata	cgtgaggacc	ctgaatccaa
17221	agaaactccc	agaatcttta	tcatcttttt	tttttttttt	atgRagtctt	gctctgttgc
17281	ccaggccaaa	gtgcaatggc	acgatcttgg	ctcactgcaa	cctctgtctc	ctgggttcaa
17341	gtaattctgc	tgccctcagcc	tcccaggttg	ctgggattac	aggcaccgcg	caccacggcc
17401	ggctaatttt	tgtgcattta	gtggagcttg	tttcgccaca	ttgccaggct	ggctcggaac
17461	tcatgacctc	aggtgacctg	ccctcctcag	gctcccaaag	tgctgggatt	ataggcatga
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17821	ccccaccccc	accccacccc	gccgtcggcc	tcccaaagtg	aggcatgagc	caccgtgccc
17881	agcccagaat	ctttatcttc	tatcagagat	cattcactca	tggttcatgc	ttctcctgta
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18241	gtcaactatg	tgaaactctg	tctctactaa	taatacaaaa	attagctggg	catgttggcg
18301	cacgcctgta	gtcccagcta	ctcaggaggc	tgaggcagga	gcatcatttg	aacctgagag
18361	gcggagggtg	cagtgcgctg	agatcacacc	accgcactcc	agtctgggca	acagtgtgag
18421	actgtctcaa	aaaaaaaaaa	aaaaatcttg	gctgggtgcg	gtagctcatg	cctgtaatcc
18481	cagcactttg	ggaggccaag	gcagggtgat	cacaagggtca	ggagttcaag	accagcctgg
18541	ccaacatggt	gaaacccac	gtctactaaa	aatacaaaaa	cattagctgg	gcattgtggc
18601	gcgtgcctgt	aatcccagct	actcatggag	gctgatgcaa	gagaattgct	tgaacctagg
18661	aggcagaggt	agcagtgcgc	caagatcacg	ccattgcact	ccagcctggg	caacagagca
18721	aaactccatc	tcgaggacag	aaaaaaaaatt	gattgctctg	gctctactga	tacaatctta
18781	ggctgcttaa	tgggatctta	gttgtaatatg	atgctgtaca	tcttacaggt	attggaaggt
18841	tgaatgaaac	caagcccatg	cattcaatag	tggctgctat	cattactaac	cgttgcaatt
18901	accctctttt	ctttttgcct	gagaataatg	ggatgcaggg	tgagggggaa	tattgggtga
18961	attaaagatt	tgggtcacta	atttctttct	ttttttctca	agatatagtc	ttgctctgtc
19021	tcctaggctg	gagtgcagtg	ccacaatctt	ggttcactgc	aacctctgcc	tcccgggttc

FIGURE 1-F

19081	aagtgtattct	tctccgtcaa	cctcccaagt	agctgggatt	acaggcacc	acctgtattt
19141	ttgtatttct	agtattttgt	atttctagta	gagacagggt	tacgccatgc	tgggtggccag
19201	ggtggtctca	aactcctgac	ctcgggcaat	ccaccacacc	cagctaattt	ttggtatatt
19261	tagtagagcc	gggggtttcac	cgtgtttggct	gggctggtct	cgaactcctg	acctcaagtg
19321	acatccatct	tccaaaaatgc	tgggattaca	gccatgtgcc	accacgcccc	gctaatttct
19381	gtatttttag	gagaaatggg	gtttcatcat	gttggtccgg	ctggtcttaa	actcctggcc
19441	tcattgatcca	cctgccttgg	cctgccaaaag	tccgtgggatt	acaggcatga	gccactgtgc
19501	ccagccactc	atttcttatg	aattttattct	aacacatttt	ccggatgaac	agggcacctt
19561	gaaacatagg	ttagtgggct	gggtatggtg	gctcctgcct	gtaatcccag	tactttggga
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19681	ctgtcgcccc	ggctagagtg	cagtggagtg	atctcggctt	actgcaacct	ccgcctcctg
19741	ggttcaagtg	attctcttgc	ctcagcctcc	tgagttagctg	ggactacagg	cactgtgcgc
19801	cacgcccata	taacttttgt	atgttttagta	gagccgggggt	ttcaccatgt	tggccaggat
19861	ggtctcaaac	tcctgacctc	ctgatctgcc	cacctcggcc	tcccaaagtg	ctgggattac
19921	aggcatgagc	cattgccccg	gccaaagtta	ggagtttgag	accagcctgg	ccaacatggt
19981	aaaaccccat	ctctactaaa	aaatacaaaa	attagccagg	caagatggca	tttgctgta
20041	atcccagcta	ctcaggaggc	tgaggcgga	gaatctcttg	aatctgggag	gcagaggttg
20101	ctgtgagctg	agatcgcgcc	actacactcc	agccaggggcg	acagagcata	aataactccc
20161	tttcaaaaaa	ccaaacaatg	aaacataggt	tagcggagtc	tgcatccaac	attagagtca
20221	gattgactaa	gttctgtatt	tccagctgat	tccgtggcg	tggttggtgcc	actggtctga
20281	ccaccctttg	acaactgctg	ctccagataa	ttcaagtcgg	ggtataaac	aaccagtgag
20341	atgtaaacca	aagacgattc	cagggttaga	ttctcaagaa	tgacttgttc	tgccggggcg
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20521	aaattagctg	ggcatgKtg	tgcatggtgc	atgcctgcag	tcccagctac	tcggggaggct
20581	gaggcaggag	aatcacttga	accaggagg	cggaggttgc	tgtgagccga	gattgcRcca
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20701	tctcccacag	gttggtgtct	tgttccgcta	ccactcagca	gtgggctgat	ctctccttgg
20761	cccttgaagt	caaccagtcc	ctgacgtgcg	taaacctctc	cgacaatgag	cttctggatg
20821	agggtgctaa	gttgctgtac	acaactttga	gacaccccaa	gtgctttctg	cagaggttgt
20881	cgtaagtctc	tcctctcttM	cagagcagct	gtgcttttga	tctggggcca	cagacagaca
20941	atggctatgc	ctgacttggc	tgatggaac	ctctcgctga	tgatgaacacc	tggtcccatg
21001	tttagatcca	ggccgatggc	ctgtgaattt	tgttcttctc	tcattcctat	tccttcatag
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21121	cttgtggagc	tagccgggaa	ggttgaaagt	ggacMtgtca	accgtgttgc	catttgtgat
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21241	tgttggttgt	cagccgggag	ctgacacacc	tggtgcttggc	caagaacccc	attgggaata
21301	caggggtgaa	gtttctgtgt	gagggcttga	ggtaccccga	gtgtaaaactg	cagaccttgg
21361	tgtaagtccg	tgctggctgc	ctgtgtgcgt	gggtgtatat	gcacacgccc	cccacctccg
21421	ggtttgagta	gggtggttat	gagaacactt	aattcctcta	aaagtcccaa	gcatgatgct
21481	aatgacaact	ggttaagacct	gggtagatga	tggtaggaaa	aaagtataag	tagtagtaga
21541	gttagtagtaa	tattctatag	ggatttgggg	aatgtagctg	gttttcgggt	tttttttttc
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21721	atgagccatg	tcaccccatg	ctgtgttttc	tcttaatctg	tggtcttaga	actataactg
21781	taacataaat	tgcaYgcaat	tggttgtaaa	tgggaattcat	ttacttattt	tttaatgaat
21841	gatttgcaaa	tcaggtagtc	ttctgggcca	gtgtacgctc	agactcccaa	tggaaactat
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22141	ctaaggcagg	agaatcactt	gaacttSgga	gggtggaggt	gcagttagct	gagatggcac
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22261	aaatcttttag	aaaggaattg	gggcctggca	tggtggctca	tgccctgtaat	ctcagcactt
22321	taggaggcgg	gcagaacacc	tgaggtcagg	agtttgagac	cagcctggct	gatgcagtga
22381	aaccctgtct	ctactaaaaa	tacaaaaaatt	agctaggcgt	gggtggtatgg	tcctgtaatc
22441	ccagctactt	gggaggctga	ggcaggagaa	tcgcttgaag	tcgggaggtt	gcagtgagcc
22501	gagatcgtgc	cagcctgggt	gacagaacga	gattgtctca	aaaaaaaaaa	aaaattgtat
22561	ctgcactgat	ggtttctggt	cagagattcg	attttatgtt	aacatctctg	gtattttttt
22621	tttttttttt	taagatggag	ttttactcct	gccccYgctg	gcaatggcat	gatctaggct
22681	cactgaaccc	tccggcttca	aggaggttga	ttctcctgcc	tcagcctcct	gagtagctgg
22741	gattacaggc	actcaccacc	acgcgggct	aatttttata	tttttagtag	agatgggatt
22801	tcaccatggt	ggccagggtg	gtctcgaact	gacctcatga	tccgcccggc	tcagccttcc
22861	aaagtgctag	gatttacagg	catgagccac	tgctgccagc	catacatatc	tctggtattc

FIGURE 1-G

22921	tttgtctcta	acatcacctc	caacagttag	gaactgtcct	cttcctatga	agtaactaat
22981	ctaggatatg	tacctggcat	ctgaaaaacta	cccacttaaa	tttaatgaca	tattcagttc
23041	atggctggag	acgatgagta	gaaggaaagg	attcttccca	caccactat	atctaggccc
23101	tgaacaYta	aaaaagaagt	cccacaagca	gtgagatgtc	accgactcac	taactgtatc
23161	ttcaaatagaa	tgtctagttt	ttttggttgt	gtgtgtgtgt	ggtgtgtggt	gtgtgtggta
23221	tttttttggg	gggggggggg	ttttcttttt	tttttttttt	tggttttttt	tttttgatag
23281	tcttgctctg	tcgcccaggc	tggaatgcag	tggctccatc	tcagctcact	gcaacctcca
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23401	ccaYgccag	ctaacttctt	tatttttagt	agagacgagt	tttcaccatg	ttggtcaagc
23461	tgggtctcgaa	ttcctgacct	caggtgatcc	acccacctca	gcctcccaaa	gtgctgggat
23521	tacaggtgtg	agccaccgtg	cgggccccct	caattcaact	ttttgatcca	tgccccattt
23581	ttgctaagtt	gtcaacttcc	ctttagtctt	atgtgggttt	tcctccatta	cagtcatgga
23641	agtttctaga	aggccgggta	gggtctttga	gaggccgagg	caggtggatc	atgaggtcag
23701	gagttcaaga	ccagcctggc	caacatggtg	aaaccctgtc	tttactaaaa	atacaaaaat
23761	tagccaggcg	tgggtgtcga	gcctgtaatc	ccagcttact	tgggagggtg	aggcagagaa
23821	ttgcttgaac	ctgggaggcg	gaagttgcag	tgagctgaga	ttgtgccact	gtactccagc
23881	ctgggtgtca	gagcgagact	gtctcaaaaa	aaaaaaaaaa	aaagtttcta	tacattcata
23941	aagtttcaag	atttgggggt	gtgttttcac	ttctccatcg	tcattggactc	caatctgcca
24001	tctatttcca	aggcccttcc	aggtcctgtg	tccctcagct	agtggtagtc	ttcacttggg
24061	accagagat	acatgggcat	tatagttcaa	attataatta	agtttagaac	tctattgaga
24121	cagaagaaag	aaaacagagc	taagttgaaa	tatctctgat	aatctgtgtt	ggtaatatc
24181	taggatccta	gtaccagata	tgttgagtg	tgagctgggt	tcttctgcct	tacttccact
24241	acctctctag	caactgaatt	tagcaaatac	aatcgtaatc	ccagcaYgtt	agggaggcca
24301	gggtgggcag	atcatctgag	gtcgggagtt	caagaccagc	ctggccaaca	tggggaaacc
24361	ctgtctctac	taaaaataca	aaacttagct	gggtgtgggt	gcacgcgcac	gtgtgtacac
24421	acacacaccc	ccctgtaatc	ccagctactc	ggaaggctgg	ggcacaagaa	tcgctgaaM
24481	ccaggaggcg	gaggttgaag	tgagccaccg	tgccagctga	gaatcccttt	tacttctcca
24541	acttctgttg	gccacctgca	ttccttggct	tgtggccctt	cctccaactt	cRgcagagca
24601	tcttcaaacg	ttgccctggc	tcccttatca	cgtcacctcc	tgctggcttt	gactctcagc
24661	tcctctttat	gaggatccct	gtgattgctg	gacctacca	aataaaccag	gatataaacc
24721	atcttaagat	gctcagtcac	ctctacgagg	tcctttttgc	tcgcagggtg	caggagtgtg
24781	gccttggaca	tccttagggg	aggtccattct	tctgtccacc	acaccacccc	atgattccat
24841	ttccatgtca	ccactgtctc	taagtgtgtc	taacccaYgg	ctcaagagtc	aaaggtgcat
24901	cacagcagtg	agaactcaca	ggttcggggt	tgttttcttc	ctgtgggtga	tttctaggct
24961	ttggaactgc	gacataacta	gcgatggctg	ctgcgatctc	acaaagcttc	tcaaagaaaa
25021	atcaagcctg	ttgtgtttgg	atctggggct	gaatcacata	ggagttaagg	gaatgaagtt
25081	ctgtgtgtag	gctttgagga	aaccttagtg	caacttgaga	tgtctgtggt	gagttaactt
25141	ataagttcaa	cttctctatac	ttacacctta	ctgaatctgt	ggctagtgtg	aaataatcag
25201	tgaagcogac	ttccaaggtt	atataattga	gaggaccttt	atagagtcca	tcgagcattt
25261	actaggattg	ttaaaggaat	aagttctagt	ctatgtctaa	gtttttgttt	ttttttttct
25321	tgaagttttg	ctcttgtcac	ataggctgga	gtgcagtggc	gtgatcttgg	ctcactgcaa
25381	cctccgcctc	ccaggttcaa	gcaattctct	tgtctcagct	tcccagtag	ctgggattac
25441	aggcgcccg	caccatgccc	agctaattct	tgtattttta	gtagagacag	ggtttcgcca
25501	tgttgaaggt	tcattctcaa	ctcctgacct	caggtgatcc	gcccattctc	gcctcccaaa
25561	gtgctgggat	tacaggcggt	agccactgcg	ccaggcccta	tgtctaagtt	ctagtctgtg
25621	tcattgcaaag	aacacctgtg	aaattttaag	gatacagtg	ctcaagccat	tcagccaaaa
25681	gccactgccc	agcaccccac	attcagagag	gtgggaattg	ggccaggcac	agtggtccat
25741	acctgtaatc	ccagcacttc	gggaggccga	agcggggcga	tcacttaagg	tcaggagctc
25801	aagaccagcc	tggccaactt	gaaactccat	ctctactaaa	atataaaaaat	tagccgagca
25861	tagtagtggt	tgctcttttt	tttttttttt	ttttttttga	gatagtttca	ctcttgttgc
25921	ccaggctgta	gtgtaatggc	gcgatctcag	ctcactgcaa	cctccacctc	ctgggttcaa
25981	gtgattctcc	tgcttaggcc	tcccacatag	ctgcaataaa	acaggcatgt	gccaccatgc
26041	ctggctaatt	ttgtattttt	agtatagacg	gggtttctcc	atgttgggtc	ggctggtctc
26101	gacctccgga	cctcaggtga	gagccaccgt	gcccagccag	taggtgcctt	taatcccgag
26161	tacttgggag	gctgaggcag	gagaatcact	tgaaccctgg	aggcagaggt	tcgagtggag
26221	tgagatcctg	tcactacact	ccatctggg	ctacaagagc	aagactccat	ctcaggaaaa
26281	aataaaaaag	aggtagggaat	tagatatcgt	gccagaaaaat	gctgggtcta	tcagcaggtg
26341	agtggtctca	acttggtctat	cttacaatM	ccttgtgagt	tagctacaat	cagatgcact
26401	tgaacctgga	atcctatctg	ggaggcaatc	ttaaaagaat	ttgactcggg	atgggcaagg
26461	tggctcatgc	ctgtaatcct	ggcatttttg	gagtccaagg	caggtagatt	gcttgaggcc
26521	aagaatttaa	aaacagcctg	gccaaccaca	tgaagccctg	tctctactga	aagtacaaaa
26581	atccgctgag	catggctgtg	tacctctgct	cccagttact	caggaggctg	aggtggggag
26641	atcacttgag	cctgggagga	agaagttaca	gcgaattgag	atcacgtcac	ctcactccag
26701	cctgggtgac	agtgagatcc	tgtctcaaaa	aaaaaaaaaa	aacaaaaaaa	acaaaggcgc

FIGURE 1-H

26761	ctttttaatc	actcactgac	acgtgtagag	gagcaaaaaag	tttgagttgc	tggttggccc
26821	aggaggtcaa	ggctgcagtg	agccaagatg	gcgttaccac	actccagcct	gggcaaccga
26881	gtgagaccgt	gtttcaaaaa	ataaagtggc	aggggtgcagt	ggctcatgcc	tgtaatcca
26941	gcactttggg	aggccgaggc	aggtggatca	cctaagggtca	ggagtccgta	gaccagcctg
27001	tctctactaa	agagacaggt	gaaaccctgt	ctctctaaaa	ccacaaaaat	caggcRggca
27061	tggtaggcaca	tagctataat	ctcatctact	tggaggcacg	agaactgctt	gaatccagga
27121	ggcagaggct	acagtgcagc	gagatcatgc	cacagcactc	cagccctggc	gagagagcaa
27181	gactgtctca	aagaataact	tcaaagatgg	aagttattta	acctctctgc	tcaaaagcct
27241	cagtgcctcc	ctatgtcaat	ccaggtaaaa	tcctatattg	acgatggctt	cagggtcttc
27301	tgtgagctgg	ccactgctta	cctatgacct	catcttgaca	atcctccctg	tctcactcat
27361	gcccgcctgc	tggatgttct	attttacgtg	tcagtcacat	gtatcttcag	ggcctctgca
27421	caagctatct	ctctgcctgg	agaactcccc	cccgcgtctt	atgactcggg	ctcttcaccc
27481	cctcacctcc	aaccattgta	gccagaaccc	ccagttattc	cctgtacccc	ttgcccttca
27541	gaaccctca	tcgcctccat	attttcctgt	tagcagatga	gccctgaggg	cggagacgtt
27601	ttgtttgttt	tttgagaccg	gagtcctcact	ctgtcaccca	ggctggagtg	caatggcgcg
27661	atctcggtcc	actgcaacct	ccgcctcctg	ggttcaagcg	attctcctgc	cccagcctcc
27721	tgagttagctg	ggattacagg	tgcctgtcac	cacgcccagc	taacttctgt	atatttagta
27781	gagacacggg	tttaccatgt	taggttggtc	ttgaactcct	tgacctcagg	tgatccatcc
27841	acctcgccct	cccaaagtgc	tgggattaca	ggcRtgaacc	accgtgcccg	gcctgagact
27901	tctgttggtc	atgcagatcc	ccaacacacg	aggggtgggct	tggcttgccg	gagggcatcg
27961	atcagcactg	gctgcattaa	cgtgttgatt	tctgtgtttc	cccaggttgt	ggggatgttc
28021	catccctccg	ttcagttgtg	aagacctctg	ctctgccctc	agctgcaacc	agacgtctgt
28081	cactctggac	ctgggtcaga	atcccttggg	gtctagtggg	gtgaagatgc	tgtttgaaac
28141	cttgacatgt	tccagtggca	ccctccggac	actcaggtat	gatccattta	cttccccatc
28201	aggctttctc	cagagtggta	ggtttagggg	aagcataatg	acatggacct	gctgtaggag
28261	actgatctgg	tagctggatt	acaggttccc	gccatcacac	ccagccaatt	tctgtatttc
28321	acttgagaaa	acggggtttc	accatgttgg	tcaggctggt	ctcaaactcc	tgacctcagg
28381	tgatccgccc	gcctcgccct	cccaaagtgc	tgggattaca	ggcgtgagca	accgcacccg
28441	gccacctttt	tttttttttt	cctttgaggc	aagaactcac	tatgttcccc	aggctggagt
28501	ccagcagcac	aatgatggct	cgctgcaggc	tcgctccagc	tcctgggctc	aagcaatcct
28561	gcctcagttc	ctgagtaggt	aggtttataa	gcatagaacca	ttgcacccag	ccacggctgc
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28681	cagggttttg	gggttttgtt	ttgttttttc	tttctttttt	tttttttttt	tctgagatgg
28741	agtctcactc	tgttgccag	gctgggggtc	agtggttgct	aactgcaacc	tccacctccc
28801	aggttccagc	tattctcatg	cttcagcctc	ccaagtagct	gggattacag	gcattgcacca
28861	ccacacctag	gtaatttttg	tatttttagt	agagacaggg	ttttgccatg	ttggccaggg
28921	tggctcctaaa	ctcctgacct	ccgtgtattg	cccacctcag	catcccaaag	tgtctgggatt
28981	acaggcatga	gccaccgcac	ccggcctgag	ttgtattttg	ataccatggc	atcaaagaac
29041	caagaagccc	cttcctagga	atgtgggaac	ttcagaaatt	ctcacaagca	atatactcta
29101	ctgctggcct	aaaataatct	ttatgtagaa	gaaacataga	ttacttgttt	atttaacatg
29161	aaactcagcc	taagatactt	tgaagtcaa	aagacatatg	gacactaagg	gtttttttaa
29221	gctttaagtt	tgttgttttg	tttattttat	atttattttg	gagacagttt	tactcttttt
29281	tttgggggtg	atcttttttc	tttttttttt	ttttttttcc	tttttttttt	tttttttttt
29341	tattgatcat	tcttgggtgt	ttctcacaga	gggggatttg	gcagggtcat	aggacaatag
29401	tggagggaag	gtcagcagat	aaacaagtga	acaaaggtct	ctggttttcc	taggcagagg
29461	accctgcggc	cttcgcgagc	gtttgtgtcc	ctgggtactt	gagattaggg	agtgtgatg
29521	actcttaacg	agcgtgctgc	cttcaggatc	tgtttaacaa	agcatactct	gcaccgccct
29581	taatccgttt	aactctgagt	ggacacagca	catgtttcag	agagcacggg	gttgggggta
29641	aggtcacaga	tcaacaggat	cccaaggcag	aagaattttt	cttagtacag	aacaaaatgg
29701	ggggctgacc	ccccacctc	cctcccgagc	agggcggtcg	gccggttaga	ggggctcctc
29761	acttcccatt	agggcgggcc	gggcagaggc	gccctcacc	tccgggacag	ggcggtggc
29821	tgggcggggg	gctgaccccc	ccacctcccc	gcccgccag	agttttactc	ttgttgtcca
29881	gcctggagcg	caatggcgct	atctcggtt	actgcaacct	ccgcctcccg	ggttcaagag
29941	gttctcctcc	ctcagcctcc	caagtagctg	ggactacagg	catgtgccac	caacactggc
30001	taatcttgta	tttttaatat	agacagggtt	tctccatatt	ggtcaggctg	gtctcgaact
30061	cctgacctca	ggtgaccgcg	ctgcctcagc	ctcccaaagt	gctaagatta	caggcgtgag
30121	ccaccatgcc	tggcctgcat	ctcctctgtt	taactggtac	tccgggggtc	actgagtaga
30181	agttgccaaa	gtgggtgata	gagcgggtaa	gcagggtatta	gagctatagc	ccagctgtac
30241	tcagcaattc	cattttctgt	gtatgataat	caacaagcat	ctcaaactgc	acaatggcta
30301	tataaccatta	caaggttaac	ctgatgttat	gtttttctct	atcagatcaa	catggttgag
30361	aataagagga	atgaaaaaaa	ggatataaaa	gagaaatgaa	agtctttaat	attacatttt
30421	attattttact	tcattttatt	tttagacaaa	aatctcactc	tattgctcag	gctggagtgc
30481	agggggccga	tctcagctca	ctgtaacctc	cgctcccag	gttcaagtga	ttctcctgtg
30541	tcagcttcct	gagtagctgg	gattataggg	atgcaccatc	acacccaact	aacttttata

FIGURE 1-I

30601	tttttagtag	agatggactt	tcaccatctt	gcctaggctg	gtctcaaact	cctgacctca
30661	agtgatctgc	ccacctcact	ctcccaaatg	gctggcatta	caggcatgac	ccaccacatc
30721	tggcctcatt	ttatatTTta	aaataaaaaa	taagcaaata	aagccaggta	cagtttaggc
30781	aacatggtaa	aacccaact	ctactaaaaa	tacaaaaatt	agctgagcat	ggtggcaggt
30841	gcctgtagtc	ccagctactc	gggaggcaga	ggataggatg	gcttgaaccc	aagaggcaca
30901	ggttgagtg	agctgagatg	gtaccactgc	actccagctt	gggcaacaga	gagactgtct
30961	tttttttttt	tttttttttt	tttttttttt	ttttttttga	gatcgcccag	gctggagtac
31021	agtggcacga	tctcggctca	ctgcaagctc	cgccctcccg	gttcacacca	ttctcctgcc
31081	tcagcctcct	gagtagctgg	gactacaggc	gtccgccacc	acgcccggtc	aattttttgt
31141	atttttttag	tagagacagg	gtttcaccgt	gttagccagg	atgggtcttg	tctgctgacc
31201	tcgtgatcca	cccgcctcag	cctcctaagg	tgctgggaat	tacaggcRtg	agccatcacg
31261	ccccacctga	gactgtcttt	taaaaaaaaa	aaaaaaaaat	caatgtggaa	cactcctttg
31321	ccacctagaa	taatcaggaa	aggtgaccca	tgccctgtgc	ctccttaaca	gactttcagg
31381	tacttgggaa	tttgaacaaa	atctccttga	tgcacaaagt	aaccttttct	ttccccattg
31441	taccccgagt	tgaaaatMga	tgactttaat	gatgaactca	ataagctgct	ggaagaaata
31501	gaagaaaaaa	accacaact	gattattgat	actgagaaac	atcatccctg	ggMagaaagg
31561	ccttcttctc	atgacttcat	gatctgaatc	cccccgagtc	attcattctc	catgaagtca
31621	tcgattttcc	aggtgtKgg	gaactgcctg	tgactcctct	cctccccSgc	ccctaccctt
31681	cagggataat	gagttcattg	ctgggctaga	tgtttttagcc	atgattctgc	ctctgtttta
31741	tacctgcaca	cRtccttatc	tttgttacat	atgaaatatc	tgtatcacgg	gtatattgag
31801	agaaataaag	gtgagagcat	tcagaaatga	agctgttact	taataatggg	ctttgacaag
31861	ttagagaaaa	gatatcttac	tgcagaaac	ctgggggggtg	gggggaagtga	cattgcttaa
31921	ttgcattgat	ttctattgcc	ttgtcaatct	ttgccttgcc	ttggatattc	ctttcttttt
31981	tcttttcttt	tttttttttt	tttttttttag	actgagtttc	actctgttgc	ccacgctgga
32041	gtacactggc	acgatctcag	cttactacaa	cctggcaggt	tcaagcgatt	ctcctgtctc
32101	agcctcctga	gtagctggga	ttacaagcat	ccccaccac	acccggctaa	atttttttgt
32161	atttttaata	gagatgaggt	ttcaccatgt	tgccagctct	ggtctcaaac	ctctgacctc
32221	aagtgatcca	cccacctcag	cctcccagag	tgctgggatt	acaggcatga	gccactgtac
32281	ccggcttttt	tttttttctt	tttctttttc	ctcaagcatg	agtgttgctc	tggtgcccag
32341	gctggaatac	agcagcatga	tgatagctca	ctgcagcctc	aagctcccag	gttcaagcga
32401	tcctccagcc	tcagcctcct	cagtagctgg	gactacaggt	gcacaccacc	aaaccaggcc
32461	aattttttgtg	ggattttttt	tgaagacagg	gtctcactat	gttgcccagg	gtgatctcaa
32521	actcccaggc	gcaagtaata	ttcctgcctc	agcctcccaa	agtgtctagga	ttacaggtgt
32581	gaaccactgt	gcctagcctg	tcttggtact	tggtgacctg	cgtggatcac	tgctgctga
32641	gtattacttg	ccagaggatt	tctcctacca	atctacaata	ttttaggtgc	ttcgggtgtag
32701	ctcatatatg	accatgtcat	tgctctgatt	ttgcttttta	aaaatttctaa	cttaaaatag
32761	aatctcggcc	aggcacggtg	gtcacacact	gtaatcccag	cacttcggga	ggtcgaggtg
32821	ggtggatcac	gaagtcagga	ggtggagacc	aaactggcca	acgtggtgaa	accccgctct
32881	tactaaaaat	ataaaaaatt	agccaggcat	ggtggcacat	gcctgtaatc	ccagctactt
32941	gggaggctga	ggcaggagaa	ttgcttaaac	ccaggagggtg	gatgttgcac	tgtgctgaag
33001	actgcactac	tgcatccag	cttgggcaac	agagtgactc	cttctccaaa	aaaaaacaaa
33061	atctcatggt	atgcatagtt	tttactata	gagttcccat	tatttctctg	tgatacagaa
33121	ttccaaattc	aacaaagcag	cagtgcaagc	tctacgctgt	aaaaccacaa	acaaacagaa
33181	ctgtactata	aagacaacac	tagttggcaa	agttgcttct	catggggaga	cttggttgct
33241	gtctgtgttt	actggatgag	caaacaatg	gacggtaagg	gggaaaaaga	acagtacaaa
33301	tttttattaa	acactaatca	tgtttttttt	tgtttgcttt	gagacagttt	cttctgtttg
33361	cccaggctgg	agtgcattgg	cacgattttg	gctcactgca	acctccgcct	cccggggttc
33421	aagcgattct	cttgcctcga	cctactgagt	agctgggatt	ataggcatgt	gccaccaagc
33481	ctggctaatt	ttgaattttt	agcagagacg	gggtttttcc	atgttggtca	ggctggtctc
33541	gaactcccga	cctcaggtga	tcaccagccc	ttggtctccc	aaagtgctgg	gattacaggt
33601	ataagtcacc	gcacctggca	acattttttt	cttttttttt	tttttttttt	tttttttttt
33661	ttggtggcaga	atcttgctct	ttcaccagg	ctggaatgca	atggcacgat	ctcgggtcac
33721	tgcagcctcc	acctccccag	tttaagcagt	tctcccatct	cagcctccca	tgtagctggg
33781	accacagggtg	tgcaccactg	caccaggtga	atttttgcat	ttttggtaga	gatagggttt
33841	tgccacggtt	tccagactgg	tcttgaaact	ctgagctcag	gtgatctgcc	caccttggcc
33901	ttcccaaatg	ctgggattat	aggcatgagc	caccacacct	ggtcaaaagt	agttttaata
33961	tttaaatTTta	aaactaaaaa	agttaatctc	tcttcctact	ttcatttctt	catcaggggc
34021	tattgggttta	ttcccaccga	ctagatccaa	gttctctgat	actaccttta	aaccactcca
34081	tcactttcca	gttccactgc	atacagtggtg	ggcttctgag	gtttcctggg	tcaaggtgtc
34141	cttgtttcaat	gcggcatggg	tcattccctg	agcatttttt	tttttttttg	acagtctcgc
34201	tccattggccc	ggtttgagct	gcagtggtgtg	gacctcggtc	tactgcagcc	tctgcctccc
34261	aagttcaagc	aattctgcct	caggctcccg	gataattttt	gcatttttag	tagagacagg
34321	gtttcaccgc	gctggccagg	ctggtctcga	acccctaacc	tcaagcgatc	tgctgcctc
34381	ggtctcccaa	agtgtcggga	ttacagacat	aagctaccgt	gcccggcctc	cagagcatct

FIGURE 1-J

34441	ttattctcag	tttcagcggg	aagaaggggg	aagggttgga	aaaagagagg	cacaaagttt
34501	aaaaaggaca	ttgcgtgaag	aaactaaagg	tttctccttc	tccacactat	tgacatttgg
34561	gatcggtatca	ctactcgttg	ggaaacgtcc	tgtacatttc	cagggtgttc	ggcaccatcc
34621	ctagcctcta	ccccctagat	accagctcac	atcctcacag	ttaacagtga	tcaaaaatgt
34681	ctctggggcag	tagaaaaatat	ttcctgaaat	gcaaagtttt	cttaggttga	gaaccattgt
34741	aatctagccc	catcttttaga	gaagaaattg	agtaacggat	ctacatccat	tgaggaacta
34801	tcgacacccc	aggggcccac	gaaatgtaaa	ctcgcaactca	caattaacca	tctttctcca
34861	acgtgtgtat	ttcatgtagc	cacactctca	gatgcccacc	cccatgacct	acaagtccca
34921	aacagggaaa	cctgtggcac	atgggttcat	gtgtgtctga	atctatacgt	tcagagatga
34981	acaagtactg	ctctccctat	acctgtgacc	actcgccctcc	gccccatcact	gaattctgaa
35041	aatgtggcct	caggctcaca	gcagcattag	cacttgcttg	ctctggatct	catcacattg
35101	atgatcaaga	acaaagtatt	cactgggttc	tctgctaagg	atacaaaaaa	aaccattcca
35161	caattccacg	gccatgtttg	cacccaggaa	ccacgagggc	tgggttagcc	cagatggtgg
35221	gcttgggaaa	tgttcctgga	gcaaaaaaaa	gagccagaag	tcatgagagc	ctgacccctc
35281	cccccaacgc	gcacacacac	acaccactct	ctacctccaa	gcctcatttt	caggcttctc
35341	aaagctaagg	tcactcccat	gagctaagcc	gcgcttttct	caatcctcag	ctcttccaca
35401	agaataggaa	gaactctctc	ctgttcaaga	tctgtggct	cagctgcagc	tctggaagaa
35461	agaccccggt	gaggtctctg	cttttcacaa	tccccaatcc	cagaccacat	cctgtgcccc
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FIGURE 1-K

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FIGURE 1-L

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FIGURE 1-M

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47521	gatacactga	ggtcaagaga	tcgagaccat	cctggccaac	atgggtgaaa	cccgcttta
47581	ctaaaaatac	aaaaaatagc	tgggcatggt	ggcacacacc	tgtagtccca	gctactcagg
47641	agccggagat	tgcagtgagc	tgagatcgca	gagtgagccg	aaatcacaga	tcacagagtg
47701	agcagagtga	gacKccgtct	caaaaaaac	aacaaaaaac	aaaaaaacca	taagacattg
47761	tccatctgcg	gttcccagac	tattgcagga	gacccaaaa	taaagcgatt	tttttttttt
47821	tttaatacgg	agtctcactc	tgttgcacag	gctggagtgc	tgtggtgtga	tctcaggtca
47881	ctgcaacctc	caactcgtga	gttcaagcga	ttctcctgcc	tcagcctccc	aagtagctgg
47941	aattacaggt	gcccaccacc	acgcccggct	aatttttgta	ttttcagtag	agacggggtt
48001	tcagcatggt	ggccaggtcg	gtctcctgac	ctcaggtgat	ccactcacct	tggcctccca
48061	aagtgtctgg	attacagaca	aagcgataat	tttaatatat	tgtaaaaaatt	gctgtaatag
48121	gcagcccaca	agacactgag	cgagagcaga	ggaaaccatc	gatocagcct	gcaggttcaa
48181	ggctttcttg	aggaattgat	gccatgggga	aatggaagaa	aaggcagagt	gagtgggttg
48241	ggtgcagagt	caggagaggt	taggaagcct	ccaggagagc	ttcaagtga	tgtgtgtggc
48301	tgagaacagc	atgggaatgc	gtggaaggta	tgagacaaaa	attggaggga	tcacaggggg
48361	ctggatatct	aagctcacat	aatagcaagc	tgagggaattg	gaactgcac	ctgagggtga
48421	ttgggagggt	ccgaactgaa	gatagggaag	gcttccatca	cagaactccc	tgggatatgc
48481	cgggcgcggt	ggctcatgcc	tccaatccca	gcactttggg	aggccgagac	aggtggatca
48541	tgagggtcagg	agttcaagac	cagccttccc	aagatgctga	aaccccgtct	ctactaaaat
48601	acaaaaatta	gccaggtgtg	gtggcatgca	cctataatcc	cagctactcg	ggaggctgag
48661	gcaggagaat	cgcttgaacc	cgggcagcag	aggttacagt	gagccgagat	cgcaccactg
48721	cactccagcc	tgggcgacag	agcaagactc	cacctcaaaa	aaataaaaaa	tagaactacg
48781	tgggatcagg	tgctcatga	aagccagagt	catgtgggcc	cagtgggaagt	atctaacctt
48841	ttatcaggga	atctgtgaag	gtgttttagtc	tgggaaggaaa	tggagatttt	ccaggacagg
48901	caaggggaaa	gagactgagg	aaagcgtatc	tgagagggcc	tggagcggtt	agaagatgtg
48961	ctRtgtccag	gtgcctacag	tctgtgtgcg	tccgagcatg	ggctctacct	ggacacagtg
49021	aggagcgaga	ttaaatacct	ggatcacagc	cgagtccaaa	gcctaggact	tcatcctggg
49081	agcagtgcgt	agggatggcg	gtcgtcccg	cacagccttg	gctccgccat	ctttgaaatg
49141	gccccatcac	ccaaaaYgct	cctccttctg	aaccccagag	ctccactctg	cacccatgct
49201	ctagcctcac	accaaggact	ttcttggttaa	gagacggaca	gttcggtgaa	gtgRttRaaa
49261	gcttacaggc	ttagataatg	gaagagagag	ctccgtcctc	acactccttt	ctgctgagca
49321	tgaatgcct	ggttactcac	cagttgtgaa	gacttYgttt	gtgaatgaga	cggtagcttc
49381	agcgggtggct	tctgagaatt	ctaagaaagc	aaaacaatgt	taggtcttcc	ccgtggttcc
49441	ctatatcctc	tagatatctc	cattccccct	ttgagatatc	taggctccct	gaaacccctt
49501	tctctgacac	actgcacaga	cactgaagac	agacaaattc	gaaaggtgta	agacttatct
49561	tccatgaccg	gcttagtaag	aagcagatcc	gttcagcaat	tgatagacac	tgtggttttt
49621	ttccacgttt	tgctgttatg	aatattgctg	ctgtgaacat	tgacgtacag	gtttttgtgt
49681	gaacataagt	tttctgttct	cttgggtaca	cacccagggg	tgggtggaatc	actgggtcat
49741	acagtaactc	tgtgttttac	tttttgaaga	actaccagac	ttctttcttt	tttttctttt

FIGURE 1-N

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49801 tttttttttt ttgagacaga gtctcattct gttgcccagg ctggagtgca gtggcgcgat
49861 ctcagctcac tgcaacctcc acctcctggg ttcaagcgat tctcctccct cagcctcccg
49921 agtagctggg attacaggca cctgccatca cgcttgcca actttttttt ttgtacttta
49981 gtagaggcgg ggtttcacca tgttgccag gatggtctcg atctcctgac ctctgatcc
50041 accctccttg gcctctcaaa gtgctgggat tacaggctgc gcctggccac agactgtttt
50101 tcaaagcagc tgcaccattt tatattccca ccagcaatat aagaaggttc ttccaaatcc
50161 tcaccaatac ttcttgctcg tttgttttgt ttaaaaaatc atagtcatcc tagttggcat
50221 ggtgaatttt atggtatgtg aattatatct cagtttgaat aataagatgt ggatccatgt
50281 cttcgtgagc cttagaggaag aatgagctcg tgttagcctc agaacacggg atctccacct
50341 tccaacttag gccattttct ttttttcttt tttttttttt ttttgagaca gagtcttact
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50461 ggttcacacc attatcctgc ctcagcctcc cgagttagct ggactacagg caccgcccac
50521 cagcctggc taattttttt gtattttcag tagagatggg gtttcaccgt gtagccagg
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50641 acaggcgtga gccaccggcg ccggccaggc cattttctta accagggggc tcctgaggcc
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50761 tatcctggga gtctttttat ggtggaacca gcttggaaaa aactagttta tgctcagctc
50821 tcggtggcat aatgagagtg tgggtattat ttggtctttg ttatttctct tcgtgtgaga
50881 tgcattaata aacctttttt ttttttttca attaaaattt cagttccaga atccatgtgc
50941 aggacgtgca ggtttgttac ataggtaaac gtgtgccatg gtggtttgct gcacctatca
51001 acccatcacc taggtattaa gccccacag catcagctat ttatcctgat cctctccctc
51061 aatcaattcc cccacaggc cccagtgtgt ggtgttcccc tccctgtgtc catctgactc
51121 cattgttcag ctgccactta caagtggaga catgcagtgt ttggttttca gttcctgtgt
51181 tagtttgctg aggataatgt tttccagctc catccatgtc cctgcaaagg acatgatctc
51241 attccttttt atggctgcat agtattccat ggtgtatatg tactgtattt gctttatcct
51301 ttctatcatt gatgggcatt tgggttgatt ccttgtcttt gctattgtga atagtgtgc
51361 aatgacata tgtgtgcatg tatctttata atacaatgat ttatattcct ttggttatat
51421 aaccagtaat gggattgctg ggtcaaatgg tatttctggc caggcgcagt ggctcacaca
51481 tgtaatccca gcactttggg aggccgaggt gggcagatca cctgaggtca ggagctcaag
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51601 cgttgtggga tgcacctgca gtcctcagta ctcgggaggc tgaggcagga gaatcacttg
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52081 tggttctggg tcttgagga atcaccacac tgtcttcac aatgaactaa ttacattcc
52141 caacagtgtg aaagcattcc tatttctcca cagcctcgcc agcacctgtt gtttcttgac
52201 ttttgttggt tttttttttt tttttttgag atggagtctt gctctgtcgc ccaggctgga
52261 gtgcagtggc acaatcttgg ctactgcgaa cctcgcctc ccggtttcac ccatcttcc
52321 tgcctcagcc tcccgaatag ctgggactac aggcgcccgc caccacgccc ggctaatttt
52381 ttgtattttt aatagagacg gggtttcacc gtgttagcca ggatggtctc gatctcctga
52441 ccttgatgat tgcctgcctc ggcctcccaa agtgctggga ttaccggcgt gagccaccgt
52501 gcccggcgtt tcttgacttt ttaataatcg ccattttgac tgggtgtgaa ttgtgtctaa
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52621 tactggctgc ataaacgtct tcttttgaga agtgactgtt catgtccttt acccactttt
52681 taatggtttt ttttttcttg taaatttgtt taacttcctt gtagattctg gatattagac
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52861 ttttgctttt gttacaattg ctttgacgt ttttgctatg aaatctttgc ccatgctgt
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52981 ccaagtcttt catcatctt gagttaattt ttgtacaagg tgtaaggaaac gggccagtt
53041 tctattttct gcataatggt agccaattct cccagcacca tttattaacc cacagccaat
53101 ttcatactaa atgggcattt ccctgaaaa ccagcacaa acaaggatgc cctctttcac
53161 cactcctatt caacatagta ttggaagttc tggccaggat aatcaggcaa gagaagaaa
53221 taaaggatag tcaaatagga agagaggaaa tcaaaactatc tctgtttgca gatgacatga
53281 tcttatatct agaaaacccc atcatctcag cccaaaagtt tcttaagctg ataagcaact
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53401 acaatagaca ggagagagc caaatcatga aggaactccc attcacaatt gctacaaaga
53461 gaataaaata cctaggaata cagctaacaa ggaagtgaag ggacatcttc aaggagaact
53521 acaattcact gctcaagaaa atcagagcgg acacaaacaa atggaaaaac attccatgct
53581 catggatagg atgaatcaat atcgtgaaaa tggccatact gcccagaagta atttatagat

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FIGURE 1-O

53641	tcattgctat	tcccattgaa	ctatcattga	cattcctcac	acaattagaa	aaaactataa
53701	aattcatatg	gaaccaaaaa	agggcccata	tagccaagac	aatactaagc	aaaaagaaca
53761	aagctggagg	cctcaggctc	agacttcaga	ctatattaca	aggtgatagt	aaccaaaca
53821	gcatgggtact	ggtacaaaaa	cagacacata	gaccaatgga	acagaataga	gatctcagaa
53881	ataagaccac	acatctacaa	ccatctgatc	ttcaacaaac	ctgacaaaaa	caagcaatgg
53941	ggaaaggatt	ccctatttaa	tacacctgtg	tttgattttg	atttcaacac	agcgtgtggt
54001	atttgcattgc	catgtgatac	agtttgaata	tgtgttccca	ccaaatctca	tactggatta
54061	tgatcccca	tgttgagggt	gggggcctgg	tgggaggtgt	ttggatcata	ggggtggatc
54121	cctcattgct	tgggtctttc	cttgcaatag	taagtgaatt	ctcacagat	ctggctattg
54181	caaagtgtgg	catgtccccc	agtcccaact	ctctctctct	cttgctcctg	ctcccaccac
54241	atgagacagc	tacccccctc	ttgccttctg	ccatgactgt	aagcttctctg	aggcctcccc
54301	aaaagcagaa	gccagccttc	tgttctctat	acggccttca	gaaccatgaa	ccaattaaac
54361	ctcttttctt	atcaatgata	cagtctcaga	tatttatagc	agcacaaaa	cggcctaata
54421	tagcatgaaa	tattgctcag	caatcaaaag	gaacacatca	ttgatacata	cagcagcttg
54481	gatgggcctc	aggggcattg	cactgagtga	caaaaggata	tctcaaacgg	ttgcatactg
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54601	atggatacca	ggagttaggg	atggcaagg	aaggagaagg	gtgtagggtg	gaatataaaa
54661	gggtagccca	agggaggccc	ttgtgagacg	gaagagtctt	gtacagtgc	tgcggtgatg
54721	gtgacgcgaa	tctacaactg	tgacaaattg	gcatagaact	agacacctac	tttatgccaa
54781	tgtcaaatct	ctggttttta	tgttgtactc	taattacgta	agatgtaacc	attagaggaa
54841	actggaaaaa	gagcacatgg	gattcttctg	ttctatcatt	gtagacttcc	tgtgactcta
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54961	catgacacac	acacacatat	gcacgcacgc	acacacatat	gcacgcacac	acacatatgc
55021	acgcacacac	gcacatgcac	gcacacacac	atatgcacgc	acacagtatg	tgaccatctt
55081	ccatgtccct	gcccactagg	cataatagcc	ctcactctgc	cctcaacccc	gcaaatctca
55141	tccttatcaa	cctcggtctt	ttccagcatg	tttctcctgc	cttggtgctt	cactctgaga
55201	tcagggaat	gttagacacg	cccagcctcc	agcctagcgt	atgatattct	taagtgacag
55261	gccgttagtct	ggtacaccgt	attcagctga	gatgtttgtg	aaagtggagg	ggataaacag
55321	cctcacacaa	aacttaccgc	agtgtttctc	aaagcagcat	tctggagcca	tagcatcagc
55381	atcacctggg	aacttactag	gaatgaaaa	gactggattc	acccagagac	tactgaagca
55441	gaagccctgg	gggctcagaa	atctattctt	taagcctcca	ggtgattctt	atgctcatgg
55501	aagtttgaga	accgctgatc	aatgcaWtca	gtgactcaga	aacagagtcc	cggactctac
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55741	taggacaccc	accctgttta	caggcagaaa	taaaggattt	ttaaaacaaa	gcaaatctgt
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55861	gtgtacctca	tacgtgtgtc	accagaatgg	accctgcaga	acctacctgc	taccgRggaa
55921	ggtggttctg	ttggttaaccg	gctgggggtc	acagagggtc	ctgggaaatc	agaaaatgag
55981	ataaatctgt	gctctgtcgc	tgtgggtcct	gaacaaataa	cgaaacatct	ccgtgactga
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56101	aataagcatt	tgagctgggt	gcagctcctc	atgcctgtaa	tcccagcact	ttgggaggct
56161	gaggagggca	gatcacttga	ggtcaggagt	tcaagcccag	cctggccagt	atggtgaaac
56221	cccgtctcca	ctaaaaatac	aaaaattagc	caggcgtggt	ggtgtgcacc	tgtaatcca
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56341	tctgagatcg	caccactgca	ctccagcctg	ggtgacgcag	taagactcca	tctgaaaaaa
56401	aMaggccttag	ccRggcgtgg	tggctcacac	ctgtaatccc	agcactttga	gaggccgagg
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56521	tctctacgaa	aaatacaaaa	attagctggg	catgatggca	ggtgcctgta	atcccatcta
56581	ctcaggaggc	tgaggcagga	gaatcgctta	aaccaggag	gtggagggtg	cagtgaactg
56641	agatcactcc	actgcactcc	agcctgggtg	acaaaagtga	actcYcccca	aaaaaaaaaa
56701	aaaaaaaaaa	agcagcagca	tttgtaaaagc	acacctggca	cattctgggc	tattaacaag
56761	gaaatgcatg	cagctcccg	ccRccttttt	caacctcagt	tctatttctt	ctggattcct
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56881	gatgtatttt	gtttgattta	atatgacatt	gttaaagtta	ctgatcagtg	gcgttgggta
56941	tgttcacatt	gtggtacaat	atgttgacct	ctagaactta	tttttcttgc	aaaactgaaa
57001	ttctgtgccc	attaaacact	aattccttct	ctctcctctt	tctggccctt	aacaaccacc
57061	attgtacttt	gtgtttctac	agtgttgaca	ttagatacct	cctttgacta	gaatcataca
57121	gtagttgtcc	ttttgtgact	gacttagcat	aatgtcctca	aggtatatcc	atgttgtagt
57181	atgtgtcaga	atttccttct	tttttaaggc	tgcataatat	tccattgcat	gtatataacc
57241	acattatgag	gtatgtctgt	cttttttgaa	agaaaccccc	tttaagaatg	gtagtcaagt
57301	ccgacgcggt	ggctcacgcc	tgtaattcca	gcactttggg	aggccgaggc	ggcgagatca
57361	tgaggtcagt	tcaagaccag	cctgaccaac	atagtgaaac	cccgtctcta	ctaaaaatac
57421	aaaaattggc	cgggcatggt	ggcaggcacc	tgtaatcca	gctactcgag	aggctgaggc

FIGURE 1-P

57481	agcagaatcg	cttgaacccg	gaaggcggag	gttgagagtga	gctgagatcg	cgccactgca
57541	ctccagcctg	ggtgacagag	tgagacttcg	tcaaaaaaaaa	aaaaaagaaa	cctccattct
57601	cccagctgcc	tgtagcccag	ggcttcctgc	cctcccactt	ccttcccacc	tctggccccg
57661	ccctgcagc	ccagggtctc	ctgcccctcc	acttccttcc	cacctacggc	cccgccctcg
57721	cagcccaggg	cttcttgccc	tcccacttcc	tccccaccta	cgccccgcgc	cctgcagccc
57781	agggcttct	gccctcccac	ttccttccca	cctacggccc	cgccccgtga	gcccagggt
57841	tcctgcccct	ccacttcctt	cccacctacg	gccccgcccc	tgcagcccag	ggcttcctgc
57901	cctcccactt	ccttcccacc	tacggccccg	ccccgcagc	ccagggtctc	ctgcccctcc
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58141	gccccgcccc	tgcagcccag	ggcttcctgc	cctcccactt	ccttcccact	tatggccccct
58201	cccttggaat	ggccatcagg	acctataaag	gctgaggaag	aaagggtttg	tctgacttac
58261	ccctacctgt	gaccacaagc	tccagggggt	cgctgggggc	Ygaccacagg	tatgggtccc
58321	tgtctggagaa	gctgtagcat	cggtaggttc	cgctgtgggc	ggcggtcacc	gtgatgatgg
58381	gRaaactagc	ccKgtaccat	ctctcgggat	tcttgtaggg	cgcagggtcc	ccttccttgt
58441	acagagcaaaa	ttggtcaaa	ccataccgag	tctgacactg	taggggttacg	ttccctcctg
58501	acgacaccgc	cgggcccggc	tgggctgaga	gcgagggttt	ggcaaaaact	cctgggagaa
58561	aaagaaagtc	tgatgttgaa	ggcaggagcc	agcatctcag	ctgagactgg	ggaggtcccc
58621	acacctgcct	aagagctggg	gagctttttg	gctgtatccc	tcccagagag	cgactcccc
58681	cacccaagct	cacagagagg	ctcgctcacc	cagtgggtta	ggaaggaggc	tgtgctcagc
58741	tcctagtgt	tgggtgcaaa	tcctagtctt	gccttcaggg	gcctgggtggc	cctggagaca
58801	aatctccctc	tgtatctgag	cctcactgcc	ttgttctgtt	aaaatgggga	tgactgaatg
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58921	agcttaagct	tatactgtgc	tgtaaagctg	tattgccaca	tacaattgtt	acgttgtaaa
58981	tgttgctgac	agtgcctagc	tcgggtgcc	ttccaaactt	atgatgtata	tcagttcagt
59041	gaatcctcag	agacctatgg	agtcctcact	cttaatgtcc	ctattttata	aatgaaacta
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59221	gtgatgtatg	tttaattagct	tgtctagtagt	aactgtctca	cagtggattc	gtatatcaaa
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59341	gctggacata	ttttaattta	aaaataaata	aaaaacttgt	ccaagatcat	aagtggcaga
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59641	atcactgtac	actagcctgg	gtgacagagt	gagaccttgt	ctcaaaaaaa	gacagagaga
59701	gaaagcaaaa	gaaagggaag	aagggaagata	aaaatataag	ctgcctaata	attatggcat
59761	tcactcaaca	agaagaaaaa	gaaagaaaga	ggaagggaag	gagggaggga	ggaagggaag
59821	aaggaaatat	ataagctgcc	tgataactgt	aacattcact	cagcaatatt	ttctcttaat
59881	tttcacttaa	gcaactatta	tgtgtctgtc	tgtattcttt	ttttgttgtt	ttcttgtttt
59941	tgttttgttt	tgttttgttt	tgagacggag	tctcgctctg	tcacccaggc	tggagtgcga
60001	tggcatatat	atatatatat	atatatatat	atatatatat	atatatatat	atatatatat
60061	atattttttt	tttttttttt	tttttttttt	tttttgggaa	acagaatctc	actctgttgc
60121	ccaggctgga	gtgcagtggc	atgatccag	ctcactgcaa	cctccacctc	ctgggttcaa
60181	gcgattctcc	tgcctcagcc	tcccagtag	ctgggactac	aggcatgcac	caccatgccc
60241	agttaatttt	gtatgttttag	tagagacagg	gtttcaccat	gttagccagg	ctgatctcga
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60361	gagccaccgt	gccccgaccg	gaattaaaaa	tagacaacca	ccaccaagat	aaaaaaaggt
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60481	tagcgagaag	agagtatttg	agtctgaccc	tgaaagaagt	aatgaggcag	ccaggctggt
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60721	tatttgaaaa	aattattgaa	aatttgaaaga	gtaggtcggt	aaaactcaca	ttattctggt
60781	tgaatacttt	attcccctga	aagattttag	agaattttac	attctaggct	ttgtctgatg
60841	caagcgcata	agtgtctatt	ccaaaacctc	cttctagaaa	ataaccattt	aaaagtgcac
60901	taactgggtg	cacctatagt	cccagctact	agggaggacc	acttgagccc	agggatttga
60961	ggctaaagtg	agctatgatc	atgcctgtga	atacagcgag	tgtactaaag	cctgggcaac
61021	atagtaagac	ctcttctctt	tttttttttt	tcccaagacg	gagtccttgt	gtgtcgccca
61081	ggctggactg	cagtgtgcca	atctcggctc	accgcctccc	aggtttaaagc	gattctcctg
61141	cctcagcctc	cggagttagct	gggattacag	gagtgcgcca	ccgcgcccag	ctaattatta
61201	ttattttttt	tagtagagac	ggggtttcac	catgttggcc	aggtgtgtct	caactcctg
61261	accttaagtg	atccacccac	ctcagcctcc	caaagtactg	ggattacagg	cgtgagccgc

FIGURE 1-Q

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61441	cggggtctgg	gaacagaaat	aggatattag	tggaaagact	ggtgaaattc	aaatagcctg
61501	gagtttactt	gatataatat	agttgtgtct	atgggttagt	ttttgtttgt	tttttgatac
61561	agggtctcac	tctgtcaccc	aggctggagt	gcagtggcgt	gatcacagct	ccctgcagcc
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61681	gtgtatgcc	ccatgcccc	ctaattttta	attttgttta	aagatgaggt	ctcactatgt
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65041	caagaccagc	ctggtcaaca	tgggtgaaaca	ccatctctac	taaaaatacc	agaaattagc
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FIGURE 1-R

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65281	cagactgaca	acagagcaag	accctgtctc	agaaaacgaa	gaggaggagg	aaaaaaaaag
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FIGURE 1-S

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71701	gatactcagg	aggctgaggc	aggagaatcg	cttgaacccg	ggaggcagaa	gttgacgtga
71761	gccgagattg	cgccactgca	ctccagcctg	ggcaacaaga	gtgaaactcc	atctaaaaata
71821	aataaaaaata	aaacatttgt	tttttgtaga	gttgggggtt	cactatgttg	cccaggctgg
71881	tcttgaactc	ctcctggggt	caagcaatcc	accgacctca	gcctcccaaa	gtgctgggat
71941	tacaagtgtg	agccactgtg	cctggcccta	ttgggtcctt	ttaaaagata	cataaaaaat
72001	caaatgcaac	agtgaagtca	atcacccggt	ggcagaaatt	gggggtgctc	tggcatgtgg
72061	tcggtcgaag	ccaaggacac	tgctcagcat	tctgcagtgc	acaggacggc	cccggccagg
72121	cggagaatga	tccggtgaca	catRtaggtg	ggaaggatgc	acgaatgatg	gcgtttagga
72181	agaatattat	cacttctttc	ccgtaagagc	aacttagagc	aagaaaaatg	tattattctt
72241	agggccttct	ctcttatgga	ggctccaagc	caggggttgc	atggcagaag	atgctggggt
72301	tgcctttttc	ttgagagaac	tgtactcaag	atgatgtaam	tgtcaccccg	ggtgccactt
72361	gggtgctttg	gagaagcgct	cagacgcgac	acgccgtgac	gactccgcgg	caggcagccg
72421	gacctgtcct	ctggcggtcg	gttcacgggc	tgtgtttatc	cccctgggtc	cttcacagcc
72481	accttgggaa	atagcttgcc	tctgaatcac	gccaggcagg	ctctcaStgt	gtgtgctgcg
72541	gggctggaaa	tcagggtgac	actccgctac	cgaacagcct	gactaggaag	ccagaaagac
72601	gctgcggct	ttagtgtgtc	cttgactttt	ccttgatatg	aatgaagata	gagcacttcc
72661	acactgcaca	acaggaaaag	cccagaacgc	ttcctggaga	tagcgagggg	gtgatgcagc
72721	ggacagctat	ggctgatgac	cccctcacct	ctgactcccc	ctccctccct	gctttctgaa
72781	cgcacatcca	tcaccaacca	taggttctctg	tttgggggtt	gctggctgga	aaaaaaaaaa

FIGURE 1-T

72841	aaaaaaaaag	gaaagctggc	tttctagtaa	aaaccacttc	ctttgctcat	ttatcaaact
72901	caaacgctag	gagggccacc	taacatcctc	cgtcccacgc	aatgggggtgt	ttctggagca
72961	ctccggtKta	tcagggaccc	tgctcagttgc	catcgcacat	gtatatgggg	ccagcccctg
73021	tgccaccgaa	gaggggggat	attgaaaaaca	tgttacagcc	aggagcgggtg	cccccttgggt
73081	tcaagcagtt	cttctgcctc	agcctcccta	atagctggga	ttacaggcgt	gcaccatcac
73141	gcttgccac	tgttatgtag	tttttaccac	aatttaaaaa	aggaaagagt	gcttgggtga
73201	gtcctacgca	cctattcgga	gaaccaaagg	ctttgaggtt	atcctcggcc	cacctatctg
73261	atgggagtg	ttctcaaact	tgcttttccg	tgatctccca	gtaagaaata	cctactacac
73321	acacacagtc	tccggtcggc	atgcttaggg	tagtcttcca	attccccctc	ctggtattta
73381	caccctggag	tggccRctc	ctcttgggct	gaacctgtaa	cttgctccca	agcaagagca
73441	cacagcaagc	tcacgcacgt	ggttgttgg	gtgattctgt	ttctccagat	tgtctccatt
73501	ctccctggc	ttctccacag	ggcgcctcac	catggcagcc	ggctccatca	ccRccagcca
73561	gcgagagggc	aagacaagag	ggctgacgag	ggacgctacc	atcacagagg	tcagttttgt
73621	aacctaacca	caagactaac	ctactgtcac	ttctgccccta	tcctactgct	agaagccagt
73681	cgctacatct	ccccacact	caaagggagg	tggtcgcacY	gtgggggtcca	ctggaagtgt
73741	cctaccagac	tcaggtcatc	ccaaacacac	cctctagcca	tttgggtgtg	catcggaaag
73801	aaaactaagg	ccaggtacgg	tggtcatg	ctgtaatccc	aacaatttgg	gaggccatgg
73861	cggaaggggtc	acttgagccc	aggagtttga	gaccagcctg	ggcaacatag	caaatgttat
73921	gttgccacct	ctacaaataa	ttagccaagt	gtggtggcat	gcacctgtag	tcccagatac
73981	tcaggaggct	gaggcaggag	aatcacaggt	cgaggttcta	gtgagctgtg	acggcactgc
74041	actcagcct	tggaacaca	gtaagaccct	gtctctaaaa	aagcaaaaaa	ggctgggtgc
74101	actggctcac	acctataatc	cgacacttt	gggaggccaa	gacgggtgga	tcacctgagg
74161	tcaggagttc	aagataagcc	tggccaacaY	ggtgataccg	tctttaatta	gccaggtgtg
74221	gtggtggg	cctgtaatcc	cagctactcg	ggaggctgag	gcatgagaat	cgctgaaca
74281	tgggagacac	aggttgcagt	gagctgagat	catgccattg	cactccagcc	tgggcaacag
74341	agcgagacta	ggtggctgtt	ctgtgtactg	tgggatattg	agtagcatcc	ctggctccc
74401	cagtatctca	aatatgaaaa	catgttttct	atctcgatta	ctgagctttt	cggtgcctcc
74461	ttcggttctg	cacctaaagt	aagagcccct	tcctctcacc	ctgatctcta	tccagtttct
74521	aacacagcag	tcttgaaga	tgcccggact	taaacggtta	tttccctgtga	aacaggtgaa
74581	aggggctttc	atctctaaaa	agtcggaact	tttttttttt	tttgagacgg	aatcttgcctc
74641	tgtacccag	gctggagggc	agtggcatga	tctcggctca	ctgcaaKctc	cgcctcccRg
74701	cttcacacca	ttctcctgcc	tcagcctccc	gagtagctgg	gactacaggc	gccaccacc
74761	atgcccagct	aattttttgt	attttttttag	tagaaacagg	gtttcattgt	gttagccagg
74821	atggtctcga	tctcctgacc	tcgtgatcca	ccgcgcccgg	ccaagtctga	acttttgcct
74881	ggcctgttgc	cctggtgata	aactgatgcc	ttgtttccta	aaaggaataa	agccatgagt
74941	tgcttttgtt	cagctcatgg	gcattcaccc	atgcacagag	gaaaaataaa	atctacgact
75001	cgggtacatt	ttcttctttt	ttttttcttt	taaatgagca	agtttgagag	tctgcagttt
75061	ggactaccat	gagaattgat	aggaaggtgg	gagtcaccag	caatcccagg	tcctgtagca
75121	gcagctgggtg	gggttcccac	tccatgccgt	gcagagcctg	aactcaggat	gacacctgca
75181	cctgctctct	ggctgggctc	tggcacagga	agccctcagc	aaacaccccc	ggcacagcca
75241	tgccatagcc	agacaacagc	tcgctgtacc	acaccatcat	gggagacagc	agttattctg
75301	agcatctcac	tgctgaagaa	accaaggctc	agagaggacc	atgcatgcac	aaggtcccac
75361	agggacccaa	gaatccacca	agtgtcagac	aacttgccca	tgctcttcac	ggagcacctt
75421	ggaacccctcc	ccgacaggca	ccgctggctc	tcctgacgtg	gcctgcaagt	gcacggagcc
75481	ccttccctcct	cggccattcc	cagtttagat	tcccagggga	agcatcagat	ggcccctctc
75541	cctgctggc	agcagagcag	acggaaccag	ccagagcccR	gggcagtgct	cacctgcagg
75601	ccagtccact	gcggccagca	ccgcccccta	gaacctactg	cgggcatggc	ggccgccagt
75661	cctgggtctc	ccggctcagg	tagtgccagg	aagctgcggg	catggcggac	agctgtcctc
75721	ggtctggagg	cgccatcctg	gctttcaaat	ctgctccaga	ggttatctgg	ggaggggctg
75781	ctccctcaca	gagggagcct	ctaagcccac	caggcgggca	ctttcagccc	aaagcctccg
75841	ggccacctcc	tcctcctcag	cctcgggggc	cggggccttc	tgtttgagtc	catcgaagta
75901	ctttccggaa	acatccgcca	gttctctcgc	cacggccagg	tatgtgctgg	gctgggaggc
75961	cagctcgggg	ctcttgacca	gcagccagaa	gatggggcct	gcaatcagcc	cacagggcat
76021	ttagtcacaca	ctcgtcagca	gagaaggaa	gaagccccgc	tccccgggtca	gggagctccg
76081	ggtccctgga	gtcccacaga	gccctctctc	agccctttcc	ccttgggtgc	ctccatctgc
76141	agttcccttc	cctggcactg	cccagtcata	tcccaccaga	ccagggatca	gtcgaagagc
76201	tgccctcccc	aaggagcctt	cctggctttg	tccaggaaaa	tggaaagctct	cttccctctg
76261	gtcagcccca	gtcctcacc	taccccat	ctcctttaat	aacatcttat	taaatgcacc
76321	tggcaccagc	ctcaggttaa	ggatYttttt	ttggccaggc	gaggtggctc	aggcctgtaa
76381	tcccagcact	ttgggaggcc	gaggcggggc	gattacctgg	ggtcgggagt	tccagaccag
76441	cttgcccaac	atggtgaaac	cccatttcta	ctaaaaatac	aaaaattaac	tgggtgtgggt
76501	ggcggRtgcc	tgtaatccca	gctgctcggg	aggctggggc	aggagaatcc	cttgaacctg
76561	ggaggcggag	gttgagtgga	gctaagatca	caccattgca	ctccagcctg	ggtgacaata
76621	gcaagacttc	gtctcaaaaa	aaaaaaaaaa	aaagggtgtg	gcgtgggtgac	tcacgcctgt

FIGURE 1-U

76681	aatcccgagca	ctttgggagag	ctgaggcagag	tggatcacct	gagggtcagga	gttcaagacc
76741	agcctgggcca	acgtgtgaaa	ccctgtctca	actaaaaata	aaaacttagc	tgggtgtggt
76801	ggtgggcgcc	tgcaatctca	gctacttttg	gaggctgaga	caggagaatc	acttgaaccg
76861	aggaggcaga	ggttggagtg	agccaagatt	gtgccactgc	actccagcct	gggtgacgag
76921	caaaactccg	tctcaaaaaa	aaaaagacat	ttattttatt	atattattgag	acctggtgtc
76981	ttgctctgtc	acccaggctg	gagtgcagtg	gtgtgatctc	agctcactgc	aacctctgcc
77041	tcccggttcc	aagcgattct	cctgcctcag	cctcctgagt	agctgggact	acagggtgcac
77101	accaccacac	ctggctaatt	tttgtatttt	tagtagagac	ggggtttcac	catggtggcc
77161	aggctggtct	cgaactcctg	acctgaggtg	atccgcccac	cacagcctcc	caaagtgtcg
77221	ggattacagg	cgtggctatt	agcctcgcca	agttaagatt	cttgatgccg	accaatcacc
77281	cactccatgt	ttttcaggat	tataaacact	agtcataaag	catgaactgc	ctgggggtgg
77341	tggctcacac	ctgtaatccc	agcacttttg	gaggcagttg	gatcacctga	ggtcaggagt
77401	ttgagactag	cctgaccaat	atggtgaaac	cccacctcta	gctgggtgtg	gtggtgtgca
77461	cctgtaatcc	cagctacttg	gagacaggag	aatcgcttga	acctgggagg	tggaaagtgc
77521	agtgagtgga	gatcatgccg	ttgtactcca	gccYgggcca	cagagcaaga	cttcatctca
77581	aaaataagta	agtaaaagctc	caactgtttg	ttccacctat	tctctgggag	gggtcctgtg
77641	ctggcccttt	caagggaagg	ctcgtataac	ccccccagtg	actgtgaggt	gagtcctatt
77701	aaggcctgca	ctctgcagat	gaagaaacag	gctcagaggg	gtaacagctc	ttccccagga
77761	ggtgcagctg	gtttgggggtg	aagctggagt	taccctgagt	acagcctgac	tccaggcgctc
77821	agctccacgg	cctcttcctc	tgagacacgg	ttttctcatc	cgccagcagg	gctctgcctg
77881	cttcccgRg	ctgttagagg	ctggcagccc	aggtaaacRg	aggaaaggga	ctctgtcctc
77941	gtgcctcaga	agacgtaggc	gaggagcagg	catgaggcct	cagggacggg	ctctgaggga
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78061	tgggagggga	ctcaccgagt	gtggtgctgg	agaagggtga	gccatggatg	cccggtgtgc
78121	tgccagctc	tgtcctggcc	acgcccgggt	gcaggggcgt	gacagtcaca	ccagagcctg
78181	gggaagaaag	aaagagaaga	ctgagggagg	gggccagcct	cacctgggag	gctgtggcag
78241	cccacaccca	gctgtggggc	ttccgggcac	caggctgctt	cctgcactca	aacccccatg
78301	tccctcttgc	tctggaatct	tagtgaagtg	gtcttatctt	gcggagcggc	tctgccacat
78361	ggctgctggg	agccgagctt	tcctggaggg	cttcataaac	ccagaacgct	gagcttacct
78421	cgggagcctg	catcggtgcg	tggcggtggg	acctaaagata	ctgtaactct	gaccagctcc
78481	cagtggggtg	ggcaccgctg	gtccacagag	cgtctttcag	aagcaaaggc	ctagcacaga
78541	tttctcaatc	tcagcactgt	ggatgctgtg	ggttgggagg	agtgaggggc	catcccgtgc
78601	gctgtaggac	attgagagca	tctgggcctt	taccctccag	atgccagag	caatctctcc
78661	ccaagccagc	tgtgatcact	gtgtttccag	gcattgacaa	ctgcgggtca	aaactgcccc
78721	tggttgagac	tcactggctg	gagccaaaag	gctgagctgc	ctgcccacaa	gcagcaggga
78781	ggacatctg	atccaggcag	actagaccac	ctgggatgaa	cagacaatcc	tcagaagaac
78841	gatcgattag	tgatgtctgc	ttcagRcacc	agaagcgggc	agcgtgggtc	acatgctcta
78901	cttttctgta	ctctgttctg	gatccaccgt	ttggcctccc	atcagcctag	gatcatggaa
78961	aggccgctct	aggctcagag	taaagcaaga	gggaggccga	gcctagcgcc	cccgtagcct
79021	cgagccgccc	gctcagctcc	ttggtgaaga	ggacgatggc	Ragcttgctc	tggcagtagg
79081	cgctcttggg	gttatacttc	ctcgtctgcc	agttcaagtc	gtcaaagtct	atgtgcccag
79141	caacatgggc	cagggacgag	aggttgatga	tccgcgaagg	ggctgagggt	ttcagcttgt
79201	ccagcagcaa	gtttgtcaag	agaaagtgc	ctggattaag	gatgatgaaa	aggtcacttt
79261	tgactcacac	ctaaaatccc	agcacttttg	gaggacgacg	ggggaggatc	gcttgaaccc
79321	atggtgcagc	ccctgccag	gcctcaccca	ggtggttaac	gccaaactgc	atctcgaagc
79381	gctcctcggt	ggtccagtgg	ggcaccgcca	tcacacccgc	gttggttgatt	agaatgtcca
79441	ctcgtctctc	ctctggaaga	gaggggtgga	ggaggagaca	tcccgggtgag	gacagacccc
79501	agcctgatgc	accagcagaa	acactcctgt	gctcccacaa	cctgtgaatg	tggcctgtgc
79561	cggaacacag	gtctgtgccg	aagtggccat	gtcaggatgc	ggtcattagg	gtgagcccta
79621	atccaatgac	tgggtgcctt	ataggaaggg	aaaacagaga	cagagacaca	tggggagaag
79681	gccatgtgtg	gacagaggca	aagaccggag	aggcacagct	ccaagggtgag	ggtgggcccgc
79741	ccccgctgga	agtgaagag	gctgggagga	ttatggcccc	tctcacaggt	cacagccaca
79801	gggacaccgc	gattcagact	gccggcttcc	ggaaccgtga	gggaatgcac	gtctgagggt
79861	gtaagccact	gggtttgcag	tacattgtta	cagcagctcc	aggacactca	cacgcccctcc
79921	gcacctccat	ctaagccttg	ggactccttc	ctgccggagc	cccagggcca	aaaacgggag
79981	gttaccgttg	ggagccccgg	caccgagggc	gtggtttcat	tcccaaacct	gccacctcac
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80221	gtaatcccag	cactttggga	ggccgaggtg	ggcagatcac	ctgagggtcag	gagtttgaga
80281	ccagcctggc	caacatggag	aaaccgcgtc	tttactaaaa	atacaaaaatt	agccaggcgt
80341	ggtggcatgc	acctgtaatc	ccagctactc	aggaggctga	ggcgggaaaa	tcgcttgaaa
80401	ccaggaggca	gaggtgagc	tgagccgaga	tcgcatcatt	acactccatc	ctgggcaata
80461	aaagcaaaac	tccatctcaa	aaaaaaaaaa	aaaaatcaca	gtcccagagg	ctggaagtcc

FIGURE 1-V

80521	cagatcaagg	tgtgggcagg	gctggttccc	tctcagggcc	ctcagggagg	atccgcctctg
80581	gtctctctcc	ttggctcaca	ggtgaccatc	tcctctctcc	ctcttccctt	cctcttccct
80641	ttggagctgt	ctcttttttt	tttttcattt	ttcttttttt	aatttttagat	ttttcagaca
80701	tgggtctcact	atgttgccca	ggctggtctc	aaactcttga	actcaagcaa	tcctcctgct
80761	ttggcctccc	agagtgtctg	aatttccactg	ccccagcct	attttttttt	ttttgggggg
80821	gggagatgga	gtttcactct	tgtcacccag	gctggagtgc	aatgggtcga	tcttggtca
80881	ctgcaacctc	tgcctcccag	gttcaaacaa	ttctcctgcc	tcagcctccc	aagtagctgg
80941	actacaggca	tccaccacca	caccgggtta	attttttgta	tcttttagtag	agacggggct
81001	tcaccatggt	ggccaggcta	gtctcacact	cctgacctcg	tgatccacct	acctcagcct
81061	cccaaagtgc	tgggactgca	ggcgtgagcc	accacactca	gtctacttgg	cctatttttt
81121	atatttcttt	gagacaggtt	ctccctctga	cacttgggct	ggagtacagt	ggcgaaatca
81181	ctgctcactg	cagcctcaac	ctcccaggct	caagcagtct	tcttgctcag	cctcccaagt
81241	agctggggcc	acaggcatgc	gccaccatgc	ccagctagca	cgtctgtttc	tgtgcgcaaa
81301	tctccctttt	tcataaggac	accagtcaact	ggattagggc	ccaccctaata	gacctcattt
81361	tcaattcagg	acctctgtaa	acaccacact	ctaaatgaag	tcacatgctg	agggatgggg
81421	gttcaggatc	ccaacctatc	cttgggggtg	gaggacacaa	tgggaattcat	aatgctcccg
81481	aagtgggttt	cggcggggat	cgtgaattag	gtgtccagcg	cgtaacacac	agacaccatc
81541	tggttctctg	tgtgagaagg	agggggttgc	agcacacccg	tcatgaatac	cagctctgga
81601	gcaggacaga	caggttcaaa	gcctggctcc	accccgacca	gctgcatgat	cctggccaag
81661	tcacatcact	tctctgtgac	tcagtttact	ccttgtaaaa	aaaaaaaaaa	aaaaaggata
81721	ataacatcac	ctgcctggta	caactgtata	cttactcatt	cagtaagtat	tttctaagca
81781	cctattactg	ggcactggaa	atacagggtg	gacagcacag	ccgaggcccc	gtccgtgtgg
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82081	gtgccgccag	cttctggtgt	tttgttttgg	ttttttttct	tttttttttt	gagatgaagt
82141	ctcactctgc	caccaggct	ggagtgcagt	ggtgtgatct	tggcccatgg	cccactgcaa
82201	cctctaccgc	ctgggttcag	gcgattctgc	tgccctagcc	tcccaggtac	tgggattaca
82261	ggtgcccgc	accgcaccct	gctaattttt	gcatttttag	tagagacggg	gtttcaccat
82321	cttggtcagg	ctggtcttga	attcttcacc	tcgtgatcca	cccgcctctg	cctcccaag
82381	tgcagggatt	acagggtgtg	gccaccgcgc	ccagcctgtt	tttttttttt	tccttttatg
82441	agagggaagc	tactcagtgc	gccaggctgc	gagtgcagtgc	gcgcgatctc	agctcacagc
82501	aacctccgcc	gccagggtct	aaacgatcct	cccacctcag	ccttccacat	agctgaacca
82561	caggcgcccc	acaccacaag	cagctacttt	taaaattttt	tgtagaaatg	gggtttggct
82621	atgttgctta	ggctggtctc	gaattttctg	gcttaggcaa	ttcgccacc	cctcccaacc
82681	aaagtgcctg	gattgcaggc	gtgggccaca	gtgcctggcc	tgttggtttg	tttatctggg
82741	aactgcctca	actttttttt	tttttttttt	tttttgaca	cagggtctca	ccccgagtgc
82801	agtgtgtaca	tcaaaagtca	ctgcaggccg	ggcgtggtgg	ctcacatctg	taatcccagc
82861	actttgggag	gccgaggcgg	gcagatcacc	tgaggtcaac	cagcctgacc	aacatggtga
82921	aacctgtctc	ctacctaaaa	caaaaaagtta	gccgggcatg	gtggcagggtg	cctgtaatcc
82981	cagctactca	ggaggctgag	gcaggagaat	tatttgaaac	caggagatgg	aggttgagc
83041	ctgaccaaca	ggaagaaacc	ccgtctctac	taaaaatata	aaattagccg	ggcgtggtgg
83101	cgcatgcctg	taatcccagc	tactcgggag	gctgaggcag	gagaatcact	tgaaccagg
83161	aggtggagga	tgccgtgagc	caagatcccc	tcattgcacc	agcctgggga	acaagagcaa
83221	aactccgtct	taaaaaaaaa	aaaaaaaaaat	cctcactgc	agcctcaacc	tcccaggctc
83281	aagcaatcct	cccacctcca	cctcccaagt	agttgggact	acaagtgcac	accatcacgc
83341	ctgcctcatt	gttttttatt	ttttttttga	gatggagtct	cactctgtca	cccaggctgg
83401	agtgcagtgg	cgccatctcg	gctcactgca	agctccacct	cccgggttca	cgccattctc
83461	ctgcctcagc	ctcccaagta	gctgggttac	aggtgcccg	caccacgccc	ggctaatttt
83521	tttggttttc	ttagttagaca	cggggtttca	ccgtgttggc	caggatggtc	tcgatctcct
83581	gacctgtgta	tccgcccgc	tcagcctccc	aaagtgtctg	gattacaggc	gtgagcctgc
83641	acgcctgcct	gattgttttg	tattttttgt	agagatgagg	tcttgctatg	ttgccagggc
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83761	tgtgttcttt	ctagtcKgga	gttggaaga	gccacagctt	ccagctttgt	cagagtgta
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83941	tcaatttttt	taaatccact	gctgtcttta	ttcctggctg	ttgatcttag	gaaaacacca
84001	agaagctggt	acttgatttg	ctaaaaaagt	cacagacaca	gctttactta	atcctctaga
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84121	gatcatgagg	tcaggagatc	gagccatcc	tggctaacac	ggtgaaaccc	cgtctctagt
84181	aaaaaatata	aaaaattagc	cgggcgtggt	ggcaggcgcc	tgtagtcccc	cgccactcgg
84241	gaggctgagg	caggagaatg	gcatgaaccc	gggaggcgga	gcttggagtg	agccgagatg
84301	tgccactgtc	ctccagcctg	ggcgacaaa	caagataacc	tctcagaaaa	aaaaaaaaaM

FIGURE 1-W

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84481	ggacctcagt	gctccggaca	cctgtgtcca	caagccagag	acaggatcag	agggcgcctg
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84601	gtgcttaata	aatgttcatc	cacctctgag	Wctctgaggc	attgccctct	cactgttctt
84661	tgtgatctca	ccgtagtgcc	tctcacctac	ccgacaacag	tgccggctct	ttcttgatcc
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85261	caagactcca	tctcaaaaaa	aaggtcttgc	tctgtcatcc	aggttagagt	gcagtgccac
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85741	ataaaaaatat	ataaatacac	acacaaaact	attaKaaaca	agactagaaa	gatccataaa
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88021	tctgtgacta	tactaaacat	cactgaattg	gtcgggcacg	gtggctcaca	cctgtaattc
88081	cagcactttg	ggaggccaag	gcaagaggat	tcccatcct	ctcctttttt	tttttttttt
88141	agatggagtc	tcactctgtc	accaggctg	gagtgcgggtg	gcgcaatctc	ggctcactgc

FIGURE 1-X

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88321	ttcaccatgt	tagccaagct	agtcttgaac	ttctgacctc	aggtgatcca	ccccgcgcc
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FIGURE 1-Y

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94381	agggccgggt	gcctggactg				

FIGURE 2-A

>6:112446501-112541900

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901	ctaactctat	ttaccataaa	ggttaacaag	tttctataaa	tatggaaaag	cttggttag
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1021	aacttaattt	agaaaactgt	gtttatttaa	aggggtaact	gtgtttgctt	gagaagggtg
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1141	gtgtcagata	aaaaaatttt	caggataaat	cttttagcat	caatgtatga	gggtaacagc
1201	aagactctat	tagaatttta	tagtatactc	tgaaaactcc	ttcatagtat	cttccagcaa
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1921	ccctatgatg	cagatagctg	tgtatgtatt	gaacacctat	tatatgcatt	gttctgagtg
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2161	ttcaataggg	tgtcaatgta	ggtcattgaa	caggtgagag	ttgaacaatt	gtagaaggag
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2341	ggggagaaga	gtgagggagg	tgggcaagta	ggaggagatg	aactcagggt	aaggcatgga
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3481	tttttgacac	ttgtatacat	gtattgaaag	atcactctgt	accccatata	ttgtgcaat
3541	tactacattt	caataaaaaa	taaaaaatgc	ttctataaca	aagaattaat	gcaacaaatc
3601	tggtaaacta	gaatatgtga	tactgcaaga	atcccatctt	tcctatgtac	gtagttgcaa
3661	agtatcaagt	caattctcta	aaacagcagt	gtctagaact	gtgtgcatgg	aaaatgatga

FIGURE 2-B

3721	caattagga	gtcagaacg	cattatcttt	taccttttta	ttctgacttg	ctttaggctt
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3841	ataaagagaa	gtgtggacct	tttcagtata	ccgttgga	tcttcaacct	ccacatctct
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3961	atgatgaata	ttatggaa	Saaagagctt	tggcaattaa	aatgtgtgtg	tgtgtgtgca
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4381	tctgtatgcc	agacactgta	caagttgctt	tatgtgcatt	atcttctcat	ttaccttca
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FIGURE 2-C

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FIGURE 2-D

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12961	aaaatatttc	aaataaagat	tttcaatagc	tttgaacctt	tttattaaag	tttcaaaaat
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13081	caaagacaac	ctttgccact	tggtgaatgt	gattgaaaac	tatttgagtt	agtaggcaca
13141	gctaatagata	tggtctcttc	attttttatt	tttgtgaggt	gtcttgtcta	gttacaacca
13201	ccaataaaat	tactgttgaa	ataaactgga	cttaggacaa	gacttttgaa	ctactgtgtc
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13321	actattttct	ttgagctgta	cagtagataa	agtactatta	aaaataattt	tagtgagaaa
13381	aacattttctg	tatcattaat	aaataagtc	atttaattct	cattttaaat	atataatctt
13441	ttattttatc	tttatataat	ttgtccttta	ttacaagctt	tgactgtttc	atactatatt
13501	ttatctgttt	tatagtacac	atgtatcatt	tataaacaaa	gatataatg	tgtgtgtgtg
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13741	ccaaaaatgt	actgtgggga	aatgcattct	agggttgctt	ttatttattg	ctgtcattac
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13861	acacactaga	cctgggaagg	ttcctgaaa	catgagtagc	agaaagtaaa	ggaaataaag
13921	gagaagtagt	aggacttgta	tttttactca	ctccattgac	catcaggaga	ataaggccgt
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14161	tttctgttat	Rcttttcaag	tgaagccctt	ttaaaccatt	cttcta	cttctgtgga
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14281	ggtatgttaa	atggattgtt	ttcttctgta	tcctgtgtgc	taagacaact	gaagtctcca
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14521	cttgttctat	ctgctgctct	tgcatgaata	tccaagtctt	tagtactctt	aactgtctct
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14641	aagctgatca	catcattatt	caaagtggcc	agttccaggc	agccaacaa	gccaggcagg
14701	tttaagctgg	tagggagcta	tgaatatgaa	aaagtaaaac	cacttgtctc	atggtcatat
14761	tttactcaga	catcacagaa	cagacaatgc	aactaatagt	aggtcaagga	gacctacccc
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14941	gctggtcata	ggctgtacag	tgaattcatg	acaaaaatca	gtccttgcgc	cagctttgtt
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15061	tatgtgccca	taactagtaa	taatagtcct	gaaattggaa	ccctagatca	acttcccatc
15121	ttcttcgacc	tttcttttat	cccccttcat	cagatttcat	actctctccg	aagtctcacc
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FIGURE 2-E

15241	gaaaccacca	ctgcaaagct	gaagattaga	tctaaactgt	ggtgacacca	caagctacgg
15301	accttcctgt	ggcaggtggg	ggtaatat	attacatatg	catgtatcag	aatgaatgaa
15361	ctgatcttca	ggagttagct	ataacttgaa	agcatttgac	attatgaaaa	tatgagtagc
15421	atagaccaga	tttacacatc	aggtttatag	attctgggtc	agaattctac	tcccccata
15481	actaagctct	taaagtata	tcagcaaccc	ccaagtcatt	ataggtttat	ggatttataa
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15601	ggaaggcact	ccaccaacat	aaaacactgt	gtcctcaggg	tccagggtcca	gcagagagtc
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15721	gactgttaaa	aacacctttc	catgttttcc	caccctattg	agataaataa	ttttcacttg
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15901	gagaagaaa	acattccatt	ttgaagttaa	ttcatggatt	gaccaggtaa	aatctataaa
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16621	acagtaccga	tcactatgca	tctctaaaca	ggattcagca	tcaaacagaa	taggcttctg
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16741	ataggaagaa	aatccccaca	atatcccaca	cagagaagaa	atgacttgct	ctttagtcat
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17401	gggtgaacta	aacaacttgc	tcaagtgttc	tggtcagtat	acaattcaca	aggctcatal
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18541	caactcccaa	aggtggggct	aagtctgtct	ttagcaaatg	gtcttaggtg	gttaaggctc
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18721	atctaaataa	ggttaattgt	cacaagggtg	catttatcat	catttaaaaag	tcagggtctat
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18961	acaagctcca	ctttgccaca	ttgaaaagta	attgctatgt	caggagatgt	tcctacaaat
19021	gccagcccta	gttatcttct	gctaagttgc	ttctatatgt	gtcccaaaaac	acatatagtg

FIGURE 2-F

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19141	tcagtaaaag	cttctgcata	atltgtgttg	taccagataa	tttcttgaag	gggtaggaca
19201	gatgggatag	attattccat	tatggtaatt	gcactaaagc	agctgttaaa	ataacataaa
19261	atataagaac	gaattgaggc	ttttattgag	gctttacttc	ttttgctata	ttagctttat
19321	tgactagttt	aactctgtgg	tttttaaac	tggctacaca	ttagaataac	ctgggagctt
19381	taaagaacat	acaggtactg	agccctttct	ctacagagtc	tgatctattg	ctttcaggtt
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21361	ctccaggtga	ttctaattga	cactagtatt	tgagaacat	tggctcagag	acgaaatact
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21661	atltattgtt	tggatcactg	acaacgacat	ttattttaga	gtatactagt	cttataaaac
21721	tagagataat	atacttaatg	aattatgtta	gatattgatt	atggaaatgt	ttataagaca
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22561	cctaattact	cagataaaga	aaaagcaatg	ttgcctagta	gaagcaatgc	catttagtaa
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22681	cttggttccc	aaaagataag	tcttactgtg	atacaattgc	taccataaatt	tcacatagaa
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22801	tatgtattta	gacaggtata	gatagataga	tagatgaaca	gtgcaaaagc	ttttcttttt
22861	ctaagctaac	ttctataaatt	ttcgaatcca	aaacccaaat	gaagaaaact	gttttttgac

FIGURE 2-G

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23041	ttgaagattc	tgtgaccagt	tggtttagatt	gttggccatg	ggggcagtg	cctgctgcac
23101	ctccatcgtc	gtcctgttgg	cttcctcggg	gatcagtcct	gactgcccc	ggcgctgctg
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23341	gtaaaatttaa	aaagaagagt	aattgtattt	cctataacct	ggtaagaaa	ccatagaaaa
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23701	cattttctaa	tatttctatg	agaattattt	attattttta	taaaaataat	tataattcat
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24901	catgtaacag	agggaagctg	tttacagctg	ggccaaagaa	atccaataac	caaattaggg
24961	catattgtta	tgaggaagga	tgttcataag	aaagccatta	ccaaacacta	taaacagcat
25021	gatcccatta	aaagacacac	acacacacac	acacacacac	acacacagac	acacacagac
25081	acacacacac	agaggcaatg	ctggaaaaaa	aggctctcaa	atctaaaggt	cactctacg
25141	tgggtgtgatt	acagcattta	tatttagttt	cttctttttg	ttttctagaa	cttttttttg
25201	tgatgaacgt	attttgtcat	cagaaaaata	catttatgta	taaaatcatt	gacaaacaaa
25261	gaattaccta	atccttcctt	gaaggtttac	cttacactcc	agtgaatcaa	cagatgaSac
25321	ttcaattctc	tctgatgctt	acctctctct	gctgcttgta	gttgcttaac	ggcatcactg
25381	agtctgggtt	taagggcact	tttcttgcct	agggtccac	ccacagcct	gctagtgtca
25441	gccactgctt	catcactgcc	tgtggaagag	cagcagaaag	aagtactagt	ggagccaaga
25501	tgccctgaaa	aggattccat	ttcaacaagg	aaacttctca	tttgtagcat	gcagtcatct
25561	gcagtatttg	cagtattctg	aatactctga	acatagatca	acaattctgg	aaagtagcat
25621	ttaaaattcg	aggtacagaa	ttgcagaaca	cttgtaatac	tgcttgtgag	tgacttagga
25681	tgccatcatg	gttactttct	ttgattgaaa	catatagccc	tgccatgact	aataaacacca
25741	agcagcacia	ttgttaaaga	gctgaaaaga	aaaaaatctc	tctctctcta	catatatgtg
25801	ataacgactg	gttataaaaa	taatccttgt	tttcttattt	gtttcaataa	aattttaatt
25861	gcaatataac	atacatctag	aaaaaggcac	cctttataaa	tgcacagctt	gacaaaaatg
25921	ttcacaaaaa	gaacacaaaa	cataaccggc	atccaagtca	agaaaataga	aacttattac
25981	cacctttgaa	gctccctaga	gcccctgtga	taacccaaag	ataatcactt	ttttgaattc
26041	tatctccatc	tgtttgtgtc	tgtttttaaa	cattattcaa	gtgaggatat	ggtattataa
26101	tcttttatat	ctgtcttaat	tattactata	tagagctata	atacaccttg	ataatgtagt
26161	ttgtcttcca	gctttgtttt	tattcttcaa	gacagtcttg	gctattcttg	gctttcccct
26221	ctcattttcca	tataaattct	agaattttca	gttcaggtag	gttcaggtag	tttaatttaa
26281	atctgtagat	gaatttggga	gaattgtcat	ttttacacat	tttaatcttc	tactcaatga
26341	atatgggtatt	tatttatcat	ttatatataa	attcttgttt	agatcttcat	ttatttagat
26401	ctttatgcgt	agcaacctta	gcttctttta	tcagatttat	tcctatgtat	ttgatgctat
26461	tgcaaacact	gttattttta	aaagttaatt	tcccaatgtc	gtatgtaaaa	ttaaatcgga
26521	tttttacaca	ttgaattggg	aatgtagggt	gtccttgtat	tgtttctaata	attagtggaa
26581	aagcattcaa	tatttccatt	ttaattgtctg	aatattattt	tatttttcag	attatgggaag
26641	tttcttctta	ttctcagttt	gccgaaagtc	ttttttaaaa	gtcaaaaatc	ttttttaaaa
26701	gtcaagtttg	ttaaataatt	tttctgcatg	tagtgagatg	atcatatgaa	tttctcctat

FIGURE 2-H

26761	atcctataaa	tgtgacaaat	tacaattgat	tttttaaatg	ttaaactatt	cttgaaatcc
26821	taaaataaac	tcaaattggt	catcatatat	tgcactttat	aggtgtgcta	gatttgattt
26881	gctaataatat	tgattagaat	ttttgcatct	ctttttgtga	gagaatttgg	cttataattt
26941	tccttttttaa	taatatcctt	atgtgattca	agtaaccaag	ttttgctggc	ttcataaaac
27001	aagttccaga	gtgctttctt	gttttctatt	ttctagaaga	gctcgtataa	aagtggtggt
27061	atttcttctt	taaatgttta	agaattcact	ggggcagcca	tctgagcctt	gagatttctt
27121	tgtgggtagg	gatcgattag	tggttaaaatt	tattatacat	atgtatgtac	atacagttct
27181	atcagatttt	gtatttgcat	cagttttgag	agtcttttgc	ttataaaaatt	gttcttgaaa
27241	gcacacttgt	ggcacagtca	ctagactggg	tatctttgag	caaatcccaa	cagatcatga
27301	tgtaattacc	tcacatctct	aactaaagga	tcaactttgc	cagtaattct	tcatttctgt
27361	ttgtgcttta	attccaaagc	actgagaatt	ttgtttctta	acaaacagaa	aaatagtttt
27421	attcacttcta	attacacttt	tctctttctc	tccaatggga	ttgtaaaata	acactctctg
27481	acggcacccc	tttgctgttc	tattaggtag	tcttgatgtg	attggtttta	tgttatcttt
27541	cccccccaga	tatgtgtata	atgggtggtg	gtgtcatgaa	gtacagttaa	ccaaatacaa
27601	gcacttcttt	catattttct	ctgggtagt	tgaagaattt	gcattgcacc	ctgcctcctt
27661	cctcttttct	aatttcaatt	cccaaacatt	ataatacaaa	caatgtttta	gctcttattt
27721	tgggtctcat	gactgcaaaa	acaaaaaaaa	atactacctg	atatactgag	aaagaatata
27781	tttaactcta	tatttgagac	acttgataaa	aagaggagga	agaaaatcaa	ttttgggctt
27841	gatgtttata	agaagaaatg	tttcataaga	agtgtgttct	atttggaatt	tactgacttg
27901	cataaatact	tttcattttg	caaatagatt	aagtagaaga	ttcattttaa	tagcagcttc
27961	ctgagattat	attgactatc	aactatttga	tatataRtga	aaaggaaatt	tgggaaataa
28021	agattactga	tcattgaaag	gaatttggaa	tggagaaatg	taatactgaa	ttataatgta
28081	attcagtaga	tgactatggt	ttaatttgaa	aacctgaatg	tacatcacia	atgtgtgtat
28141	tatcaaagga	agacagtcct	ataaagttct	aagccacaca	gtactaactc	cctgttggtg
28201	ttccttttgc	aaataaatac	agaaagggat	ttggccaaat	gagatcatga	aatagggtgaa
28261	caggtctgca	aaatattcaa	acaggctaatt	gcagagagat	ttatcagaca	taaaatatgg
28321	aactttgaag	ggatgtgggt	agggatcgat	taatggttaa	attttaaaata	gaaaagttgc
28381	ttttatgagg	ttcaataact	caataatgac	aagactgaga	gaatatatta	caagttatca
28441	aaaagaataa	aatatttaag	tcactgtgtc	atgaagactg	acacattctg	atcttcacaa
28501	gaaacaaaag	caatacatag	atatagcaac	atttatttta	aaatatttta	ctgttaatat
28561	tctaattctt	cactactgat	attctaattc	atagagtatg	ttcaggatag	acttacataa
28621	taaaattaatt	agacatataa	taattagact	agagaaacaa	tgacactttt	tattgccttt
28681	gtttgccag	aaaaataaaa	taacagttgt	tttatgggaa	ataaataagt	atctgtgtat
28741	gaaaagcaaa	gtgcatttat	cttctctgtg	taatggctct	ttgcaaaaaga	taaagaaaat
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28861	tggcctttgt	ttttaggtgg	cagttagaag	ttcgtagat	gatgaatttc	caacctcatt
28921	agtcaatggt	caaaaatcct	tgggaattag	ttcattatct	cagagatgaa	taatgtttag
28981	tgaatttctt	agtcattctg	attgttttta	agagtaactc	acaagattca	aaattgtcta
29041	atgcgatttt	gcttttattt	ttccttccct	ccctcaccct	tggatgtgca	cacttcagca
29101	gatgcaaaca	ctggcctttg	gaaatgcttc	ttaccatatg	cttgttaggt	ctgtcctaaa
29161	tacagtaacc	tatgtagaac	acaaactaca	aaaaaaaaaa	aaaaaaaaaga	aagcaaataa
29221	ccagatggct	ttgtggtacc	ctgtcatcct	aattgactca	cagtgatgac	tcgttctctc
29281	atgggaaaca	ttttaaaagg	acttcgaaat	tgttcaagaa	agaggaaatt	ttgtgcaata
29341	tagtttttagt	gttaagtgtg	ttttaggaca	tttttcccct	aaaaattggt	atttatggta
29401	agttttctatt	aatcagccta	tttgattagc	aggaatagcc	acagtatgtg	agatagctat
29461	gtgtttccat	gtagtttact	acatagcatt	ttttttttca	atcacaaattt	aaagtatcaa
29521	atctttgctc	ttttgttaact	tgactctgag	caggaaactac	tgatatgtta	tgtagttata
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29641	agctataaat	tagaaaggag	ataggaaagt	gaagatattt	actagactct	gcctttgctt
29701	gcagttctct	ggcttgattg	aggaggttct	cactttcatc	tttatggtaa	atgatttgag
29761	tatcaatccc	actcaccgcc	tacaaaggaa	ttgagagaag	agggtaaaaa	tgacagcaga
29821	agaaatcagc	tattcatagY	tgaaggattt	aaatgacaca	gtttatctgc	taaacaccaa
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29941	ggaaagtaat	cctttggcat	tttcaaggta	atgttttttt	gggaaagatt	cagtgaaacct
30001	agaacaaagc	cctggccaag	gccccaccaa	agtgttgccc	acatagaagc	cacacaataa
30061	ataattttga	gttgaaaaaa	atataaatga	atgcataaag	tatcttctct	atcagcaaga
30121	actaatttta	aatacatatt	ttttttttca	gggacttttg	ctaaaaaaat	aaactgtcaa
30181	aggaactggc	atttgctgac	tggactacag	cacatctcga	agaatctgca	gactgaaacc
30241	ttcaaggcat	tcatgaaatg	gtcttccctt	agttcccctg	ccttttccac	tctttctgcc
30301	atttggaatt	cacactggaa	gttcaagaga	tgacatcaga	aaacagaaaa	gccagtgagg
30361	aaggcaagg	ataaagaact	ttcagggaat	actcacatca	ttaattcggt	cagtggtggt
30421	caaagcaaat	tctgctgttt	cattggcttc	actaacataa	ttacaatat	tttcatagac
30481	atttgatgca	tccaaagcct	tctgtaccag	cccgttcata	tctgaactgt	gcaacttctt
30541	gttaataaac	aaacattggt	atttctcctt	cttaccttct	tggggaatgg	ggccatggtt

FIGURE 2-I

30601	aatgcttgct	ttttaaatc	ttctaggatc	acagatgctt	ccttcctggt	attcaaagtc
30661	acctagtgtg	gcaagggttt	cttgagggtc	acacctcctc	tgcattcttc	tgtctttgct
30721	gaacagcatt	ttggttctct	gacagctgcc	tgtctggcag	tagcagcagg	aaaagggaat
30781	gacgatttaa	aaacagccct	ctgcacttct	tcttgccagg	gtttgtttat	gtgatggaag
30841	tcaggcagag	gaatgaacca	ttatgatgac	tacctagtgc	ttatccaaat	cagcattggt
30901	atttcctttc	tgtagaggaa	gccaaaggctc	taggagagta	tgcagagctt	ggccagggca
30961	cgtattgtca	aggtttggtt	cactcttgag	gcctggctgc	atcctgggcc	tcaggagtga
31021	gacagcccca	gcccttcttc	agcacacagc	cccacctcag	cccacctca	cccctgccct
31081	ttcacacSat	agtctctgcc	tttgccctc	tctggcctgt	gtaaggttca	tccaacattt
31141	actgagtacc	catcacacag	ggtacttgca	cacttgca	caggggctaa	taatgtgaga
31201	tataacagga	ataaaatata	gaaatgcttg	gtataccatg	cctggcatct	gctaactRtc
31261	aggggtttatt	attataccta	caccatttcc	tgaattggga	ttttaaaact	ctatgtgtac
31321	ccgcataatt	tattttattg	acaaatactt	ctactgcctc	tgtaataata	actctaacct
31381	ccacttccgc	agtctgtcta	aatcctttgt	cttaatttta	ttcagtctta	aatccacca
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31621	agttccagtc	cctgtgtgct	cccttagagg	gactttctct	atatttcttt	ggctacttcc
31681	ctctctgtta	accaagtcta	taatcattct	acccctctta	caaaagggct	gactcatcca
31741	ttaggcacag	cgttttcatt	tttttttcaa	tcagaaggaa	aaaatgagga	taacaataat
31801	aatggtatta	atctttatac	caatgcagac	atgaaataaa	gggtttactt	tttctatgga
31861	gaaaggaacc	caccaaggca	aaagtgtcta	gggcctatag	aagtcattgg	gtctgtctct
31921	acagagggga	gtctaatac	aatactcact	acctgttctt	ccccacaacc	ccttctgaga
31981	aaatggcctc	agatagcaaa	atctggggaa	ggcagacaag	aaaacatttt	ttaaaaagg
32041	gacaaaagaa	acaaaatggt	acaaaatatt	attaatattt	taaaattttg	ctggcgagag
32101	tggtagaatg	taccaaagat	catgaaacaa	agcctttatt	actttgcttt	taatactagg
32161	cacagaacaa	gtactaactc	agtattcaaa	ttaaacatgt	gctattgaaa	tggaaacttc
32221	ttaatgaatt	ttgtttatct	ttgttcgagc	atagcacgta	aatcattgtg	tacaccagac
32281	agatatggaa	ggatactcac	cttttgaaatg	aagatgtctc	taagttgaaa	tgctttcatg
32341	aatatatagt	cagaaatatt	ctaaatRcaa	aaggacttga	gggtgattga	tattttggat
32401	catgtttcac	gtaaaagcatg	tagtaaYtgt	cttagaatca	tgctggaaca	ctgtttgttg
32461	cagagtggca	ttatacacag	taatttatatt	ttggaatccc	aatgaatggg	atgtagggtac
32521	aaaatgacaa	aagaataatg	aagagagcca	taagatggat	ctcaaaaaca	acattctgct
32581	aatatagtat	attatcaaaa	tagtgttttt	tctaagctcc	attttattgc	cttcatcaaa
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32701	caccaagatt	ttatatgacc	tctctcttct	ttttcttctc	tcttcgtagg	agatttggaa
32761	gagtgtttga	aaattttggc	aatcaagaat	aagaagggtga	tttatatttt	gaacagaagt
32821	taatatgggt	tcttatttta	ttaatgacct	ttactgggtcc	ttttttccta	gtctttctct
32881	ataatgatct	cattattttgc	ctattatttc	agggtcatga	attcaattct	gatctttcag
32941	tacttttcag	ttaacattaa	ttgagtgtcc	aagagggtgtg	tgattctatt	ctagggtgctg
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33121	aagacacttg	ggtgtggaaa	gataatgctg	tctatgaaat	aaatagggtaa	tggttagaatt
33181	agaccttcta	aagggatctg	atttatttga	caatgtttta	tacattgtct	ttggtcatcc
33241	tactaaaaat	tgtggaacag	acacccccct	cttcccggaa	cacagacctt	taatatgaca
33301	gatttttttt	aaataaaaaa	gaccagctcc	cccaacaat	tgcaatgaac	aatgatggac
33361	tctcagatgg	aacaaccaac	caaccaacca	accaaccaag	caaccaagga	accaaccaac
33421	caaccaacat	atcaacacat	aagcataccc	aaccttaatc	aaacctggtaa	aattgtatcc
33481	cagtagttct	gacatatgga	attgaatagt	aatattttat	tcaccccatg	tagatatattg
33541	cattttctaaa	accaggatat	tacctgtcta	attcatttagc	ttcttggtga	aggtcctgtg
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33661	cttgtagtct	Rcttttggct	ccatctattt	ctgcataaat	ccctgacgca	ttctaagaa
33721	aaaaatttta	ataaatacat	tgaatttaga	agaacttaaa	acatttttcc	taggcaccaa
33781	aagataatct	ctgttctttc	ttattatgaa	ggtcagtaaa	tttcagtga	ggaccacata
33841	agtctaaaa	actgtaagta	tatgtctatt	tatcccgcac	tgccagctct	ttcttctgta
33901	ttgattgctt	ccctagctag	cattcaaac	ccagaaatgc	tctaccattt	gagacctaaa
33961	aactaaaact	aaactaaaac	cttcaattat	ccacacatgt	ccctaattgt	actacaatac
34021	ttttctgctc	tcttcatagc	aacataattt	aaaaaatgga	agttgtttat	atatgtgtgc
34081	tctattttct	ctcactttat	atttcttatt	ttgacctagt	cctgtctgat	ttctactcca
34141	ttacttctacc	aaaagagaag	ttaattacat	ctaagttact	aaatctaattg	gacatcattc
34201	agttttctac	tgacctttca	gttacctttc	aggtgactga	ctacttccta	aaaatcacct
34261	tgtaacacag	gctctcttgg	tttttaatac	aaccacagac	ctacgatttt	gcttaaagat
34321	cgtgcaactg	tgtagacgga	tgttcctgca	aaccctgtgag	tttcagcctt	ggctggcccc
34381	tcaatgctgc	aaagagattt	gttctcctag	tcacccaaat	agtgattcta	aacattgtca

FIGURE 2-J

34441	tgattcctaa	gccaacattt	ccttcaccca	cccccattctg	attgtaaaaca	gatcacttta
34501	ttttcttttt	tatttgagg	tcataaactg	ttagtggggg	acacttcttc	cacacttctg
34561	atgtctcctt	tatatgcagg	gagcacagt	agtgaactc	cagacctctc	tacctcttct
34621	ctcactctac	tcctgtgaga	ggggagtgt	tgattttgtg	ggtaaatttg	ggaagaataa
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34741	gcctgagttt	tcctgtgttc	ctccatgtta	aaactattct	gggcagaacc	cccactaag
34801	ccttacggtg	ttgcctgtct	gggtgggcac	agctgcttaa	tactgggact	gaatgtcagc
34861	taccccaact	ggctaagaga	cctaaagcca	tgctgtctgc	ttagctgctt	cagaaataag
34921	gcaacctcct	tggtctctgt	atttactatt	ttatttatgt	ttccacctgt	ttagaacttg
34981	ggttctggaa	agggctacta	tttattgggt	aactccctca	gagactccaa	aaccaatgaa
35041	caggtatttc	cccagctttt	tgcaaccagc	ccccagccct	tccccgcaa	ctctatagat
35101	gtattttatag	ctacacctac	acaaaaattt	ctctccaatt	ttaagaggaa	aatgttctatt
35161	ttctgtataa	agcatgctgc	cccattgtct	tggtaacccc	gttatttcatt	cttgctttct
35221	agctactgac	tcttctcaga	tataaacatg	ctcaagtatc	tcccgctcaa	aaacaaaaca
35281	aacaaacaaa	caaacaaaaa	accttattct	ttcacttttag	gtcccttctt	agctttttct
35341	cttgctttga	cacagtgcac	tttacagaaa	tggttcttgc	caagatcacc	aacacctggc
35401	cccaaatctc	cagatccact	tgacattttc	ccatcccttat	ttactggacc	catctgtggg
35461	ttgctacagt	gttggccact	gtctttgtct	aaaactcttt	tcttttcccta	gcttctgtga
35521	ctatgctatc	tcctgggtct	cctctttccc	tgaccaagaa	agagaccgtg	aaacttggca
35581	tttgactccc	agcccttttc	tctcccttga	gtgatctcac	ttctttctct	gagggcagtc
35641	tttgagtatt	ctaattccatt	ctccactgtc	ttgcaggaaa	ggtaactctc	ctattaagaa
35701	aatctgacca	tgttatttcc	cttctcagaa	tcagccagtt	gctttgcagg	aatgagtcca
35761	atttctaagc	atgacatcat	cagctgaccg	ctcttctctc	accaatttca	tcaattctca
35821	tgaccccca	cctgctatat	cccattgtct	aatcttgacc	aactgggtgt	tgttttaatg
35881	ctccacaatt	ttttctgtgc	tcttacctct	gcaaatattt	tccctttctg	gaataatttt
35941	cctttatttt	ctgtctaact	tacctgaaa	gctctactcc	tcctttcaaa	ttcagctcaa
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36061	tgtttttatt	attcattcat	gtgtcaaatg	attgtaataa	ttttaagtga	ttatttaact
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36181	aatgtagcac	aaagggtttg	tagtacaag	ggtttacttt	tatggaggca	gtattaaacc
36241	tctagccatt	ttggttggtc	atctggggaa	caatactttg	aaaaaatgt	ttttaattgt
36301	ataagtgga	aatagaccat	ggacattacca	cttttactca	ttcattccat	caacaaatat
36361	tccctgtgtg	ctcattatgg	accaggaact	cttctggggg	tagaatacct	ttgaacacag
36421	tctccacttt	caaggaattt	acagtttagt	gggagagata	caggtaataa	acaagtgatc
36481	aaacaagcaa	acaagcta	ttcagggagt	aaaagatatt	ttgaataaca	tatgacaggt
36541	ggggtgggat	gaggagtgg	tggggtaagg	gggtcatttg	gatgtcaggg	tcataaggac
36601	accagccatt	tgaaatctg	agggcagcag	gtgcagaaat	cctgaggcag	gaataagta
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36721	gttgggtatg	tggtcagaaa	agtgggtctg	agctgggtca	tgtagggct	catgggccat
36781	gacaaaatga	gcttgtttct	tactttaagt	gccactgggg	agtgtctata	gtagaaataa
36841	tgttggttat	gtttttaaag	gattgttctg	ctactgcata	aagaatatgt	cttgaaggac
36901	aagagtggag	acagtggat	cagctaggag	gctctgggtg	caatttaaac	tgtagtgag
36961	gtgacttgga	ccaaagagca	gcagtagaga	caaggaaagt	ggtcagaaat	caagattcaa
37021	ggcctgggtg	ggtggctcac	gcctgtaatc	ccagcactct	gggatgccaa	ggcaggtgga
37081	tcatctgagg	tcaggagtgt	gagaccagcc	tggccaacat	ggtgaaaatc	catctctact
37141	aaaaatacaa	aaaattagcc	gggcatgtg	gtggatgcct	gtaatcccag	ctactcggga
37201	ggctgaggca	ggagaattgc	ttgaaccag	gaggcagagg	ttgcagtgg	ccgagatcac
37261	tccattgcac	tccagcctgg	gcaacaagga	tgaagccacg	tctcaaaaaa	aataacaata
37321	aaaaaataaa	taaaaataaa	tagaaagaaa	gaaatcaaga	ttcatttttag	agataaggag
37381	aaaggagaaa	gcagtagtga	ctctggagtt	ttgattttgag	caattggggt	gtgccattta
37441	ttgagatgga	gaagactggg	gaaggagtgg	gttttattta	agacatgtca	agtttgatat
37501	gtctattatt	aatacatcat	agatgagact	gtgactttat	tacagtcgta	ctgagttctg
37561	acttgaaaat	gtcaagttag	cactcggata	taggagtttg	gaactccgtg	gaggtgtcat
37621	agctggagggt	ataattgtgt	attcattggg	gtgtaattgt	tctttaaagc	caagggagtc
37681	aatgagatca	gctagggaga	gagtagaggt	agaaaagaag	gcctaggacc	aagcacagag
37741	ccattcatta	tccagagcag	agatcaacat	ggcccagtg	caagtgcagc	tcaaatcttt
37801	tttttttttt	tttttttttt	tgagacaggg	tctcaccttg	tcacccaggc	tgaggtgcag
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38041	ggttcaagca	ctttcccca	ccttgccctc	ccagagtgtc	gggattagag	gctgtgagcca
38101	ctgcacccaaa	ccaaagcctg	ttgagctgag	aatatatctt	acatatttaa	acggttgtaa
38161	aaaaaaatta	aaaacaaaca	aaaccagaa	aaaaataaga	gacagtgggt	gtacgtggcc
38221	tgacagagcct	aaaatattga	ccacttagag	ggtgtgcaga	ggcgaggcta	gcaaaggggg

FIGURE 2-K

38281	ctgggaagaa	accgctagcc	agggtagagg	ccatgagcgg	taccagagca	gccaggacaa
38341	gggcgccacc	tgggtgttag	aggagggagg	gctgagaaa	cccgggagag	acaggcggggt
38401	cgctggtgac	ctggacagga	acagtctcag	tgaaggggat	ggaaccccct	tcagaaacgg
38461	ccgagtata	gggacagtgg	gagtcctggg	ggtagaaa	gcaatgataa	gtcactcgag
38521	acatthttgct	gtgaagctga	gcagaatggt	agggcagaag	ttagagggga	tgcaagcttt
38581	ataaaagatt	tttttacagg	gcttttttct	ttttgatatt	taaaagatag	gagatagtac
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38701	gaaagggcat	aacttgagga	gtgaaaccct	gcaacctgtt	ttcaaggccg	ggcaggagaa
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38821	tctggggagg	aaggatgaag	ggagtctctt	tctctttgtt	tctaattttt	cagaaagcag
38881	gaagccaagt	caccaggcag	aactgatagc	atgggaagtg	ggttcccacc	agtcgcattgc
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39061	tgagctgctt	aaggagggaa	gaaaggacat	gagaggggta	cggtaaaaaa	ggcagggagg
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39301	aaagggcaag	ttcaaggagc	tggaggtcag	agagtcgggt	acttcatcca	tatggatttt
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39841	cgtacagtgc	aagaaactaa	aacattcagt	catctgatct	ttataatgcc	tgctcactgg
39901	ttagatatga	atthattatt	attctgtgac	actgagctgc	tgthgtaacc	tgctggaaat
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40441	cacaggctct	atatttgcag	tgattggaat	atgaattaat	tcaaaaagta	tttatcatgt
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40621	atcttgcttc	atacctctca	gagctctthta	ttgtaaatgc	tcagatgttt	tgagaaggga
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41461	tgtatataag	cttatttgca	gtagatgaaa	aacaatatgc	ttcaagttaa	tgagthttctc
41521	ccactttaccR	tatatagcat	tgaacagaaa	tgaataaaa	tagctthtgaa	acaaataaag
41581	atattthccac	agaaaagtgg	tcaacttgaa	caaagtthaaa	tgthgaaaac	tgatthattat
41641	gaaaatgaca	caattgtcac	tattcagcat	gcttcaactgt	gcataattaca	tatgcaaaaa
41701	aatagaaaaa	gttccacggg	caacaacaac	aacagcaaca	gcaacagcaa	caaaaacaac
41761	aaaaaacagt	cctgggaagg	taaagcttgg	gtatatagta	atocctaaac	agtgctthttg
41821	aaggagtatt	ttacttactt	ttaaactata	caatctcatg	ttcatctgat	aagWthtttaa
41881	tcattctgtt	accctthtgg	gtagaagta	agatgacaaa	ataatgtaat	tgtagthtgt
41941	atggctactg	ttggtacatg	tcaaaatgat	taagctctgt	gggtactthtt	ttggtthtgt
42001	atgataactg	aaattthggg	attattcttt	tctagcccat	gctgtaggtg	taatagttaa
42061	atgtaaaatt	aaaacaatta	aattthgggc	gggtgtggtg	gcacatgcct	gtaatccag

FIGURE 2-L

42121	ctacttgagg	ggctgaggca	acagaattgc	ttgaaccag	gaggtggagg	ttgtggtgag
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42241	caacaacaaa	cccacttaag	tttgttttct	aaaacacaga	gtcaaattcc	agtaagggtca
42301	gatccattca	aatctatttg	tcgtaggaaa	gactataaat	aaaacattgg	attttaaatt
42361	ttgttggaag	gaattaaaa	ttcatgatat	tttgcaaaag	tatgcaaaag	aatggtgaaa
42421	gtagtgttta	gtaatttaga	agtccaagtt	aatatgaaat	aagagtattt	gtgatcatga
42481	agaaccagtg	tacataaatc	aaatctgtat	tacttgacag	tgctccaagc	atttgtccat
42541	ccatctgttc	atcaatagat	gtaacaaatg	caagttattg	tgtttggtgc	taggaagata
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42721	cacacagagt	tatgcattca	gcaatcaaga	gtgactccac	caggcgcggt	ggctcacgcc
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45841	gggtcagatc	agagggagtc	ctgaatgcca	cgtgaaagag	cataggctgt	ccacaggata
45901	gtgtctttca	gagggttaaca	gagaattgtg	cgttgcaacc	tggtacacat	atataaggca

FIGURE 2-M

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48601	tagtgacagt	tgtaggaaaa	cgacctactg	ccctttatcc	ctttttgtgt	cattagtccc
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48721	aaaatatata	gaaattaaaa	ggagactaat	atatttaaaa	accaaagtga	atataataat
48781	gtatatgctt	ctttactaat	cccttaacta	acaagatcta	aaggtggatc	taatagttaac
48841	cataattttg	agttatttgt	gaattttaat	agtgatcatg	gatatacagca	gcagctaaaa
48901	tataatatgc	aaatctgtga	tttcttccat	tgatttgtga	gattaaacca	attgttttga
48961	gctcttccaa	tcaagagtgg	agtctatctc	tctactcctt	gagtcctggc	tggtcttgat
49021	cagtaaaatg	gatatgacat	tgctgagctc	caagcctagg	cttaagagac	cgtgtgcttt
49081	tcattcttgc	tctcttaaag	ctgccgttat	gtgaacaacc	tggactagcc	ttgttgagtt
49141	aagaccccac	atggaggggag	aggcccagcc	ttcccggcca	gccccagaca	tctgagtggag
49201	ctcaaccaat	atatgtcaca	tggagcagag	atgagctgtc	caggttgaat	ccagcctgaa
49261	ttgccaaccc	atgaaagcat	gagcaataaa	tggttattgt	tttaaatgaa	tacatttggg
49321	gtgggttttg	ttttgttttg	ttttgggaca	gagtcctact	ctgtcaccag	ctgggagtgc
49381	agtgtgcaat	cttggtctac	tgcaacctcc	gcctcccagg	ttcaagcgat	tctcctgcct
49441	cagcctccct	agtagctggg	actacaggca	catgccacca	cgcccagcta	ttttttgtat
49501	tttttagtag	gatggggttt	caccacactg	gccaggctgg	tctcgaactc	ctgaccttgt
49561	gatccaccca	ccttggcctc	ccaaagtgtc	gggattacag	gcatgagcca	ccacgcccgg
49621	cctgggcctt	gttataatag	caattgataa	ctgatacagt	gatcaagtga	tagattcaat
49681	aatactactg	tgatttgggtg	cctacactca	ttgctgaagg	aaatgtttaa	tttccactgg
49741	aggctaaaag	atattaaagt	cattcatggt	cttcacaaca	tgaatgtttc	tggccttgta

FIGURE 2-N

49801	gcattcctgc	cttctcaata	aaatttcttt	aaatgtagtt	ctgggaattg	gtttccttta
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49921	cagttgtttc	tcaggggctc	agaattgggc	ctgaatctaa	aaatcttggg	tataaagtca
49981	agttgtcctg	aatgattccc	tgtggccaca	tgtagattct	aaatagttct	gaacactgga
50041	aattggttgc	tttgattata	tgttgcccta	ggtttaatgt	ctgctattgg	accacaaaag
50101	agggcaaaca	tgtgctgggt	cagctatgag	aggaatacac	ctacgttcgt	aagcctcatc
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50341	cagcagggag	agatgaccag	gcactagaaa	tgcaagggag	caagggctgt	gggcaaagg
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50461	ctgtgaatcc	cagcgagcat	ggaagctcat	catctattcc	acgaaggaga	aagcacgag
50521	gaaaccactc	ttctctgctt	cccatgcggg	gtcttcagaa	tggaactgg	ctaatagcaa
50581	gcctgctctg	ctctcatcct	catctgggtt	ccacagtgat	ttgagaatgc	taatatttag
50641	cgtaaataat	tgttaacttg	tattcaaggc	atccaaatct	acagtctttg	atcagccttt
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50761	attaatgtgt	ggagtattta	attgtatttt	agacaaagat	ttgatcaaa	ctttaagccc
50821	aaatgagagc	atattgatag	ctgtccaaat	gagtccttca	aattatttca	caggctaaat
50881	acaaaatgag	ggtttggtat	aatatgatgt	gagcttttgc	tcattgatag	ttattttttg
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51001	aagtccaggtg	gagaatttta	gaactggagg	gaccactgag	gctcaaagg	attaggtgac
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51121	tgagaaggaa	ggtatgtaat	tgtcaccttg	ttctactgca	gctccaagag	gaagcatttt
51181	atcttgctgg	cataaatgaa	attgYgtgtc	tgtgggtttac	tatgatctat	gtggttgacc
51241	agacaagatg	ggtaaacaaa	cattgggtgc	acataaatca	taccaggata	aggggttgta
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51421	cactcctcaa	gtaaagtcta	aaatattaac	ctgcgaaata	aactaaatgt	aaatattttt
51481	tcctcagctc	tagcacttgt	gatgctgaat	tctctggcat	tttgggtgca	gtcttatatt
51541	tataattttg	gcctgtttta	gtttagctac	ttgcagtata	gattagaaaa	gggaaataca
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51901	ggttcaatct	cactttttga	acaaatcaat	agtaactcta	aaatgctata	gaaaaagaa
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52201	gcccttaata	tatagtataa	taaaaactat	ggaaatgcag	atactggatc	ttagcaaaact
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52381	tgcaagttag	agcacaat	aagcaaacct	ccaagaggga	aggtacaatc	attcacaatg
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52561	gggtcaactg	atagtttact	ggcatttctaa	aagcaatgtt	ttctctgcaa	ataactgaga
52621	aaaatctgtg	actcctactc	aactcttgca	ttttagagac	accacagcat	gcaatctcct
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52741	gaacatcaac	agatagtaag	tagggatgag	tgctcagaaa	ttccagataa	acaaaactga
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53101	tgagaaaaga	atgttgata	agcagagata	ggggtgggtg	ggcataatgt	atttccataa
53161	cgtaaactct	cctggcatgt	gaaagtctta	taacacatga	aatcatccca	aaaataatgc
53221	atgaaaggta	atgtgatggc	cagttttact	tttaaaaaat	tttttaattt	ttccgtaagt
53281	tattggggta	taggtgggat	ttggttacat	gagtaagttc	tttagtgggtg	atttggttaga
53341	ctttgggtga	cccatcacc	gagcagtata	cactgcacca	tattttagtg	cttttatccc
53401	tccccactcc	actcttccct	ccaagtcctc	aaagtccatt	gtatcattct	tatgcctctg
53461	cgctcctcata	gcttagctcc	cacgtatcag	ttaggacata	caatgttttg	ttttccattc
53521	ctaagttact	tcacttgatg	gccagtttta	gaatgacaga	atgctataaa	atctggtgct
53581	attcctatat	catcagtcac	agttcagtc	caaccaactg	cctttcatat	gtaattttatt

FIGURE 2-O

53641	cttcRaattt	ttactgtatc	tcaagttgct	ggactagaaa	attgcccatg	tctgcttatac
53701	attttgacat	tgtgctgact	gaagagctta	aagtttcaaa	gagaaaaattg	ttgaaaaaat
53761	aggcagacct	tgaaatgcac	catgcttcca	gtggctcctg	ggtggtccaa	ccactgctga
53821	aattgaatta	ccacagagat	ttcaaggatt	attctcactg	gcctaacatg	ctgttttcag
53881	tgcttcattc	caaattccca	tcaacattga	tggcacttgt	gtacaaaataa	ctgctcaagc
53941	agatttggct	cagcgtgaat	ggagctcttc	tccgagaagc	tgattccatt	ctctcaactt
54001	gggagattct	gtttcagaga	tctcacacag	tatttgtcaa	aaataatgcc	caactcaaat
54061	gtggcctctg	aagaaagggg	ttgtgtgggc	gtctgtgtgt	atgtgtgtgt	ttttgtgtgc
54121	gtggtgaagg	acagaatgtg	atctaagagc	acagaaatga	ttcaaggcta	ggacaccacc
54181	ctgtatgcac	agcatgggcg	acatgtactt	acttttggga	tttgaaggac	tgatctatgg
54241	gttatattta	agaggaagag	aagttcttta	gtctggcatK	tggtcgaatg	cccacttgcc
54301	ttgtctgttg	cttttttggc	tcagctcttt	aaaaactgct	acaatacgtg	aaggagctgt
54361	ggggtgatct	gccacacaga	gcgctggtag	acccattata	cagagtttcc	tgaggatagg
54421	gaagtgggtg	ttttaaaactt	ctctcctttc	atccagtatt	ctaccagag	gattatgcca
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54601	tattggagaa	gggtaatccc	ctccctacag	agcaaggctc	ctgtagtcac	agagctcact
54661	gtgcagcggc	aatgtggtca	tcagtccctt	cataaactgt	gggctctctg	aatggacact
54721	gtcttctgag	tcattatact	ccttcctgca	attccagtct	tcttcttggc	ttgtccagct
54781	gctttccaga	aaaacagtat	ttgtggtcat	tttaaaatta	aatatgcaga	aactataata
54841	aatcttaata	ttactcctcc	ctgcttttaa	aaaatacggg	cacaagcatt	taaaaattta
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54961	ctagttttta	ctttggcttg	atacttcaga	gtaaagctct	attgttatte	ctatgtcatt
55021	aaacttatta	ttttttgata	tggaaacttc	agttgaagtg	atgagagaca	gctgaaaaat
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55141	tagatagaga	tatatagcta	ttgatatact	gtatatatga	ctggatcagt	ggcaaagagg
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55801	tatttcactt	ttaaaatgtc	cagagtaatc	cattcgtgtt	cgtagtctta	gtactccacg
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55921	tcattccacc	tgccactctg	gcctctcttc	ctcttttcca	tgaccacagt	ctcagttcat
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56041	ctagaccact	gtggcggctc	cctaagcagt	gccctatttg	tcagtcttca	ctggctagt
56101	tatcatccac	actgcagagg	gacgtttcta	aagtgc aaat	ctaatacagt	cattgttctg
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56221	tttgggaagg	ttcttcacaa	ttgggcctct	gacagcttct	tcagcattat	ctcctcctct
56281	ctctgcctta	caatgaatct	tccacaaggc	cacagttcca	gtcccaagaa	cttagcacgc
56341	tgcttcacat	ctatctgttc	tcatagtact	tacccttgc	ttgggagtat	ctgataaaact
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56461	acccatgcc	aaatatttca	ctatttcttc	cttagagtta	ccgttttagcc	tgtaccatgt
56521	ttctcttatt	aaatgctgta	tcataattat	gtttttactt	atctgtttcc	ctgctagact
56581	gaagcatctt	gaaaacaggg	ccttattata	tttcaggata	cctagcacct	agcacactaa
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56941	taaaataata	aataaataaa	taaatattat	atacagatgt	tcaataatgc	ttctggaata
57001	gaaatgtaaa	cagttatccc	tcagcatcca	tgggagattg	gttccaggac	cccacagata
57061	ccaaaattca	tggttgttca	agtttcttac	atagaatggg	gtagtatttg	caatactata
57121	acctatgcac	atccccctat	atatattata	tctaaattac	ctctaatacc	taatgcaatg
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57301	tgaatacaga	gggccaaactg	tacttaattt	tctcctgcct	ttttggcagg	accagagatg
57361	aggttcagat	gcttttgatg	cttgagata	gcctactttc	cttttagtcc	tgtgggtctc
57421	tctgcatgag	ttgtcattca	ggtagcttct	gctgtggttc	aaggagtaga	agtggaggag

FIGURE 2-P

57481	atgggtgcagt	acctcctgag	cgcgccttgg	agactgtgct	ttgtaactct	gggctctgca
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57601	cacctctgcY	tgtagcccag	tgacactctg	accttgagca	cagtggctct	gggaacatgg
57661	aaaagtagaa	tcttggcacg	atccttggaa	ttttcattgc	agacaagatc	agcagcacca
57721	aagggagcat	cttttgagcR	ctgggtattt	atgaacacag	atggatgggc	atccttttagg
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57841	atttagaaag	ggaagttcag	acaaaacccg	tagctagggtg	gatgtaactt	gtgagatttg
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60001	gcagcctca	catcagctaa	atcctttctt	tgaaggctgt	cccagaaact	gaatacatat
60061	atacgtaact	tttcaactaa	ttcctctacg	tcagacagaa	ggcttttcat	cgtgttctca
60121	gcattgttga	tttgtatctt	tcttagggcg	tattggtttt	ctctttctga	caattttgtc
60181	tgcagaagaa	tgtgttttga	gaatagtcaa	tgggcacacc	aggtttttaa	aatgtacat
60241	aaaactcttt	cagtgtgaaga	ggactcagag	tagagtgtga	ggctcttttc	tcaaaatagt
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60421	gggttgacca	tggggaaagg	gctccttttt	ctaatttgta	caaagggtaca	atataggctg
60481	gtgggtggccc	tgggtgtctg	agcttttagaa	ttttaatttt	gttaggtctg	gaagaactga
60541	ccaacccatc	agtattgatg	taaatggagt	atagaaatta	actttctctca	ttttaatgca
60601	agtctcttta	tttcagaccc	ctggctttct	cctttttcat	tttcgaggag	ttgggtctaa
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60721	ctggcataat	gattcctgtc	ttgaagttgt	gcctttgagg	aaagagaatc	tgagtggttt
60781	caggggcct	ggatctgggt	gactcccctg	gSgggtagtg	tcttcatgtg	ttccaaYagg
60841	taatttttga	caagaacaat	ttcaaagttt	agaataaaat	tcacaccaag	attctatcca
60901	ggctacaata	caatttttgt	ttttgcttac	actttacata	tttggccaac	tgctatggat
60961	atcatttgca	cctccaaaaa	gcaatgagta	cttagtatgc	caggtagctg	tctaacttct
61021	gtacataat	caattcactg	aattctctca	acagctcatg	agatagaggc	aataattatt
61081	caggaaactg	aggaaattata	aggtttaaat	aacttaccta	cggtcacaca	gctagtggtg
61141	gtcagagctg	ggatttgaat	acaagcaacc	tagtttcaac	gtccatgctc	tcaatcattt
61201	tcctaaattg	actaacaaag	caaaacaatg	tgctgggtatt	gaattccatt	ttccctcagc
61261	taatgattat	tatttttaaaa	ataticctttt	gttgtgatag	aagcccatga	tttagtgga

FIGURE 2-Q

61321	aagaaaactt	gtaaatctta	gctatacaag	gacctttata	tagtcatccc	ttggtagttg
61381	tgggagattg	gtcccaggac	cccgtgggga	tgctccagtt	cctgatacaa	aatggcctag
61441	tatttgcaga	taatgtatgc	acatcctcca	gaatacttta	aatcatctct	agattactta
61501	taataccact	tataatacta	acacaatgtc	aatgctgtgt	aaatagttgt	tacactgtat
61561	ttttcttttt	taattgtttg	attatttttt	attgttttta	taaaatata	tttctatctg
61621	tgattggttg	aatctgagga	tgtggaacct	gtggatatgg	agggccaa	gtattactgt
61681	ttttgttttt	taatctgttg	gctgctttta	acttgtttac	taggtattaa	ccagtagagc
61741	tatgaggaga	aacaaggtgt	gtgtgaatgt	ctgctgttga	ctgtgagtat	gagaaaatga
61801	gagagaatgt	gtgtaaataa	gaaggaaagg	tgggtgggtg	gtgggggtgag	gagagacaga
61861	gaagaagaag	gatgcttcta	gacaaactca	aaaccttgca	aattaaggct	aaggaaatgg
61921	tagccttgca	gtaccttttg	tggtaatgac	ttaaacaagt	aatgtatggc	tgcgcaagg
61981	aaataagttg	ttctctttcc	tcagtagttt	tgggcataga	tactagtctt	ttagtcat
62041	catttcccat	ataacctctt	ttgtagacag	tagttcttgt	tttggcccaa	gctcatagtt
62101	acaatcaact	tttcataatt	tcctatgaaa	ttacttatgt	tttctatgtt	agacctacag
62161	gtctaacaac	ctgtaataca	ggtatgagac	tcagatacaa	aaaggggtag	aaggaattac
62221	tagctgcggg	cctgtgaagc	acagagtggg	acagagtggg	aagtagaaca	ttcttcgcta
62281	ctttgaggag	gtagatgggtg	gcgttgattt	cattcacgtg	cctatgagcg	gcggcccgag
62341	aggatacgct	cagcaccocg	gatttgcctt	cctcgatgga	gagcgctgct	aaccgcagtg
62401	catcagtcag	gtcccagacg	cacttatcac	agcctggagg	tgaacatttt	cttcagaatc
62461	acaagtcaaa	agcatgctaa	aggcaggccg	ttttagcaga	acataaatct	ctatttccct
62521	gggttaatacc	atttttattt	ttgtctcatg	aagagctgta	attctattct	tgtcagcctt
62581	tagtatcttg	cttggcatta	gctagtgaag	atggctattg	gctagacgct	cctcctctcc
62641	tattagcttt	tctcagtatt	caggggctag	caccagcctt	ctccccaccc	cagggaggggc
62701	acagctcctc	ctcacagccc	cacttcctgg	caggatgaac	acttcagcac	cgggaggtct
62761	gaggttatcg	ctgcgagagt	cgcttctcta	catctgatga	gggtaccaa	gttcaggctg
62821	aacgtgggca	catggggagg	caggtcccag	ttcctcatca	cttctcactt	ttcacatttg
62881	agttcctctg	accactgtca	tcacctccag	aaccagggc	cctcctgtga	cacactcaca
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63061	aatggttggt	aatatgttaa	tttgattatt	gaagtttaac	atggttttac	ttataagctc
63121	tctcaaggga	atgattccca	ggcagtactt	caggcttggt	gggggagatg	cttaggacca
63181	ggcaggcatc	ttgatgttct	ttaaattggcc	ttgtctaggg	gccacctgtt	caatcagggt
63241	gtaaaacttg	cattacttgt	gcctcacatc	ctatggcatc	ttctaagatg	taatccaatg
63301	gtaagggttaa	tctcgtctgc	tccgaggggac	tgagagacca	agatacatct	gtttggggga
63361	ggggatgcct	actattaaaa	tagtttttaa	accaaaagt	ttgttcctag	tgtaactcct
63421	catgatttaa	ttaacaggag	agccagagaa	aaccaggaga	gataaaaagg	agttccattt
63481	tgtaaagcct	gaatatttac	ttctgctccc	acttcagatt	tgaggtaact	tgggagaagc
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63721	aaatagagct	atgcaaatgt	aaaccaccca	tttgccctag	ggaatcaagt	ggaccaccaa
63781	gtacttgggtg	caggctccat	ttgtctgaggt	gcagaaaagg	ttaagtccag	gggtgggact
63841	cagcagtttc	tagagagtga	tattgcatag	cttttcttaa	tcccacacct	gcagcacatt
63901	agagaaagtg	gggttagtca	atcatgtact	gttattttta	cttatgggtg	ggcagtcctt
63961	gcctgtaggg	ggttcaaaac	cttcttccaa	gcatttctcc	gttacactgt	cacatggggc
64021	tccccgcgag	ttgcacactg	tgggaaacaa	aaacaagaga	cgagaaatgc	acttcttaat
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64561	ccaaacctcc	aaatgacagc	tatgagtgca	ataagaataa	tgtgctgcaa	ggaatcagga
64621	acatttttac	atgaatttag	aagacgtggg	agccatttat	tcacttactg	atgattttct
64681	gtaatgcctt	ttggaaaaag	caaaaacaaa	agcccaatct	catcagactg	ttcaatttcc
64741	actgagtttc	tgggtgggaa	ctaatttgta	atattttaaag	aggaattctc	ttaccatcta
64801	tgctagcaat	taactggaat	agaattgtgc	atttcccccc	acttcttaac	tgtctttaca
64861	gaataatcat	aaaaaccagg	ttcatgggag	atctatttat	tacattttcat	gtgttttaag
64921	ttccacaaaa	tgcaatttta	ttaaattctt	cagcaagatc	atgctttatt	gcttttaaaa
64981	ttagcttctc	ttccaagagt	gacctgcac	tttatagttt	aaacacaaat	ttagtaaatg
65041	ttttgagaat	caggatgtca	acctttcagg	ctttgatttt	gccaacatta	tttctgctgt
65101	ccgccttctc	tctcttttagc	ctgactagac	acagtgtctc	ttcctttctg	ctgtcattct

FIGURE 2-R

65161	cagtgttatg	cctctatgca	cattgctttt	ttgtagacat	gtttactttt	attgtgactt
65221	ctgcagaaca	tatatgttgc	atTTTTtKa	tttaaaactc	cttactcctt	gaatcttttc
65281	aagtggaaat	ctgtttcagt	gaaagaattc	cttatagagg	catgccacag	gagtacaata
65341	tttcctgctc	tcccactctc	ccctcaaagt	cacataagag	taagacatac	tcaatctcag
65401	ccttcctgta	ctcttagagg	aaagcaatgt	cacctcactt	ttgaagagct	tcactctatg
65461	tggcaaatgg	atgaataaga	tYtgtgcgtt	tcagtctaac	tgaagcctaa	ccagaaagtt
65521	ttctatgcta	tccttgaaat	atttacctct	tataatttga	ggaaattgga	ggatggtggt
65581	gattaaatgg	tacccttgac	ttgctaactc	atTTTTatgga	aatcttgatt	ttaccaaaaca
65641	taactgaacg	agagatatag	ccctctggaat	aagaaaactg	atTTgaacca	tgcaagggtt
65701	ctttttcttt	ctttctttct	ttctttcttt	ctttctttct	ttctttcttt	ctttctttct
65761	ttctttcttt	ctttctttcc	ttctttcttt	ttctttcttt	ttctttcttt	ttctttcttt
65821	ctctttcttt	ctttctttct	ctctttcaga	gaagaatctc	tctgtcacac	aggctggagt
65881	gcggtggcac	aatcttgact	catggcaacc	tctgcctcca	cctcctgggt	tcaagggatg
65941	ctgggtggga	ctataggcac	ccaccaccat	gccagctaa	tttttgatt	tttagtagag
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66841	ttttaaggaa	ctaccctctc	ccattatggt	atagatcatt	tggttcactt	catctgtagg
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67561	ggctgtctct	gccagagga	agaaatgcct	ttccctactt	ttcccaaagc	tggcgtgcag
67621	ggcagcagag	gccctgctgt	gagtggtggg	cctgtaggcc	ccatgtaagg	gaagagctgt
67681	tactaggctc	aagttgattg	ttgccagcct	agagccttga	gaggatgaag	gacctatgtt
67741	gccatatttt	atTTTTggag	aaaaaagtgg	aaatttggtt	gtttatgtga	aattgcaatt
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67921	agctgcagac	actttgagag	tagctggaaa	gaacatgtgg	tcacaccata	atgggattga
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68161	tggccttggg	agtggaaagg	aagggagagc	tttccaagga	aatcaacaag	cctggccag
68221	taataataaa	acactacatt	ttttttaaag	gattcccttt	aaagtaaggg	aatcatgatt
68281	cagaacattt	gaaaaacaga	tacataaaaa	aaaatcacat	ctgtaatccc	aggaccctaa
68341	aaaagtMact	gtcaacattt	tgtgtatggt	ccttcagcct	ctgttcccat	gtctcagttt
68401	cttgggtgat	ttgtagtgat	aggatatggt	cagtctttaa	actctttacc	tgcatcgaac
68461	ctcatagctt	catctatgtg	agtttattta	gttaccacag	acaccctggg	agggaggcca
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68821	aaaaagatgg	ggatgaatgt	aaattctaca	caaccacaaa	agagacaccc	caagaggaaa
68881	tattcaatga	gtgtgttat	tcgcactttc	tcatgtcttt	gcacctcaga	tttataggcc
68941	tgcagggtccc	taagccagca	taaattattc	ctctatggaa	cttgtggctg	gattgaattt

FIGURE 2-S

69001	ctggcctttg	ctgaagtcca	ccaaacagag	aatattaggc	tctttggccg	actgaaatgR
69061	gactcagatc	taccagctca	atgtgtggct	gggaatctta	aggtctggga	gtgaaggggc
69121	ttgccaagc	tcatagaggt	cagatgccag	taactttttc	atttaattcc	actgcatttg
69181	ctctccatag	gaggtccccc	ggtcttttac	aagagaaaac	tcaaattttc	tattctgtaa
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69301	tctgggtgta	ggtttagagg	aaactctgaa	gttttagtca	aaactctgga	ccctatggat
69361	ttaacaaaat	gagcatacaa	aagtttactt	atgatagtcc	ctgacaaacc	cctactttta
69421	tatataagaa	agctagaagg	cagagaagct	aaatgacttg	ttcattgctg	catagctcaa
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69541	gaactaatta	ataaattagt	gattataaaa	gtgcccaagc	ctgccctcaa	agaactaaca
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69661	gtagcctggt	cctatttttt	cttccgtaat	ctcattttcta	gtctattaat	gacttgatcc
69721	atccaaggaa	aacagaactg	gtaagtttat	ggctcaaagt	aaaggattgt	ggcatatgaa
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71221	atgagctcaa	tttttttttag	cttcctcata	tgtgggagaa	catgcaggat	aaaaaatgtg
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71341	tgttccaatt	ttagtatata	tgctgcccaa	gggagcacct	catcttcaaa	atgttcttag
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71461	attatttgca	tcagaagaca	acttccattt	gcaatctcta	ttcagccaga	ctcagtcaac
71521	tctgggtcac	cctttccatt	ttcctggaat	ggggtgggag	attgggggta	aaacagggca
71581	aggaatgact	gactcctgtc	actacatagt	acctttttta	aaggaacatg	aaaagtgtctg
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71701	catgccagat	agtgtgctga	gggaagaata	gacagaggag	ggataaggga	tatgatgctg
71761	tgtctgtcaa	gcagctcata	gtttcacaga	taaagaagcc	attgtgtgat	tctgagcagg
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72121	agggcccaga	gcaggccaat	attcatggac	ctaattgtta	agacaaggca	ggtgggctgtg
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72361	ctaggtagaa	actccttatg	tctatggttt	ttacatgtct	tgaaaaccaa	aataaatttt
72421	caaatacaac	ataaataaaa	ctatgaaact	aatcaatttc	agattcacat	taattcaata
72481	attgatgttg	tcttataacc	aaatgtccac	ttgcaaaatg	atgtggtaga	gactgcctgt
72541	gttcacatg	caaatccagc	cagtgtccat	gtgacgactc	atgtctctca	ccaattttca
72601	ttttgggaatc	tttagtttta	cagtttgctt	tgatgtcatg	ccacttgacc	tcaatttgctc
72661	tgtaatgtgt	cattgacaga	ctgtcacctc	tgttattttc	tcccagcact	gagggagatc
72721	ttctcttatt	ataacgtgac	acagcagaaa	gtccagaaca	tgtttcaatg	aatgttttcc
72781	ttaaagttat	tattaaaatt	aaacataaaa	ttaggaaaat	attcactgag	aactcctgaa

FIGURE 2-T

72841	ccttcatttc	caaggacaac	caaggttctt	aggtcacggt	ttgagaaata	cttccctagt
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72961	ggtgcatgag	aatccgacgg	gaagtcaaaa	tacaggtcct	gggcctcagc	cctggatatt
73021	ctttttcagt	gggtggtgaa	ggggagttgg	ggagggctca	ggaatccaaa	gttttcctgg
73081	agacagttgg	acacagattt	taaaaccacc	acttgactca	atgatctcta	aagtgcacaaa
73141	agacctagca	ggttcttggg	ttggactaat	tattaccttt	gtttaaaaca	gatatccata
73201	caaatcagtt	gcataatttag	aaaagctctt	ttggagaggt	tcaagttcac	aaatacattg
73261	aaagcacaga	ttaggcgaag	gttaactcag	gcaacttaag	agcttggctg	ttcaagcaga
73321	aaccctcctc	ttaaccccag	ggtcaaacaa	atcaaaaagca	gcaaagacca	ccgcaatttg
73381	gaagacatag	ctcttctggc	tcagtttctt	catctgcaag	atgacaaaa	acaaccttct
73441	ctaaggtggc	tgtgaagatg	aaattggccac	aatgtaaagc	aacaaggaca	taagtgtata
73501	ttaatcagtg	gcactattta	gctcagagct	gtaatttcta	gctaaggaaa	ccgagactca
73561	gggaaatgag	ccaacgtgtc	ccaggaacac	aatcggcagt	ggcagaagtt	ggacaatgac
73621	caccatgact	catactgtca	cctgttaatt	cttattgagc	atttactcag	tgcagggtcc
73681	cacactSaaa	actttgcagt	attatctcat	aacagtttta	tgagacaggt	aRctttattt
73741	tctccattct	gtacaagtgg	aaattggccac	ttggagaggt	caaagaactt	gcccggttgg
73801	gtcacaaaagt	ggtggagctg	agattcacac	tcacccaggc	taatgctcaa	atctcttctt
73861	ttcaacactc	tactttcact	ttccaaacca	gtgctcttgt	ctggagcctt	ccactccagc
73921	agcagatctg	acccagcctt	actgggtaat	ggcagagctc	atgagcatcc	tatgtgggct
73981	gaggcattta	tcactctgtaa	ttccttgtca	gaggtgggcg	tgcatcctg	ctgatgggtt
74041	gggatgacag	aacccttctc	tgcacccttg	tgtgatttta	caggactgtg	cccttagggg
74101	ccagggtgatt	tcacttctgc	gagcttttga	tttggtcagc	agggctctat	ctaaggccat
74161	taactctccc	cgtgggggccc	atYgaacacc	cattagcaat	actgcttggg	cattatcaaa
74221	ctaaattgaa	tttaacctca	gacactgagg	agaaaaaact	ccatcctggc	tgattaaaca
74281	ccgccacaga	cctccagtga	gccagaaaa	gagtaaatca	ggtgcctcct	attcctgtgt
74341	ctccaagtaa	ggaatatatag	gataagtgtg	tcacaaattt	caatcaacc	aatgtaatcg
74401	atcatctctg	tcagtcacctc	ctaatagatg	aaattcatgt	ggaccctaag	ctcgctttcc
74461	ctcttatggc	aataaataaa	taaattcaaa	aaaatccaca	atccttttagt	gaaataatta
74521	tcacacattt	gcataatttaa	taatcataat	aacaatgcct	tccaagtgca	aagatttttc
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74641	tagagggtgt	tttcttttga	agtgagattg	cttataattt	aaagtttaca	ttttaagccc
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74941	tggaggaat	gggaaatatc	ttaccgctc	attcagtga	aagcctctcg	tgctctgttg
75001	agaaggcctt	tcttacatga	gcaaagccca	gagcagttta	gaaaaagaga	gaaaagagtg
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75181	ttagaatggc	aatcattaaa	aagtcaggta	acaacagatg	ctggagagga	tgtggagaaa
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75301	tgtggtgatt	cctcaaggat	ctagaaccag	aattaccatt	tgaccagca	atcccattac
75361	tgggtatata	cccaaaggat	tataaatcat	tctactataa	agacacatgc	acacatatgt
75421	ttattgcagc	actattcaca	atagcaaaga	cttggaaacca	acccaaatgc	ccatcaatga
75481	tagactggat	aaagaaaatg	tggcacatat	acaccatgga	atactatgca	gtcataaaaa
75541	aggatgagtt	tatgtccttt	gcaggacat	ggatgaagct	ggaaaccgtc	attccttaaca
75601	aactaacaca	ggaacagaaa	accaaaccac	acatgttctc	actcataagt	gggagttgaa
75661	caatgagaac	acatgggcac	agggagggga	acatcacata	ccggggcctg	tcagtgggtg
75721	gggggcaagg	ggagggatag	cattaggaga	aataccta	gtggatgacg	ggttgatggg
75781	tgcagcaaac	caccatggca	cgtgtatacc	tatgtaagaa	acctgcacgt	tctgcacatg
75841	tatcccagaa	cttaaaatat	aattgaaaaa	aataaggaaa	aaaagaaaag	agtgtcatat
75901	gtaaatacca	gccagagatc	cagaaaacct	aaactcctgt	ggaatttggt	tacttttttag
75961	tatgggtataa	agctgggtata	aagaatgggc	gaaataacag	ctttgtgggt	tgtttttttc
76021	taattttattg	ctctattgac	aaaaggtgat	tcacatttta	tttactgagg	aaacctcact
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76141	taccaaacc	atctagagaa	ctttttcaaa	atacacatcc	tcaatttctt	ttttccctgt
76201	gtgcttatcc	tgagatgtgg	ccttggcctg	aagccctagg	aagcatattg	ttatttgctg
76261	tatctggggg	atgggattta	ggaaaacttc	cctaaggggt	tttgaaatgc	agtcctcaa
76321	ccactcttaa	gcactctcct	caggaccac	tgaatgggag	tatggcagag	ctgttgagtg
76381	tgagaaaacag	aaagcttctt	ttgaccaca	cagaaaatag	agaattttat	tggcttacct
76441	ttcacagtta	ggtccagcat	aattttcgtt	acaaatgcac	cgaacagctc	catttttctt
76501	atagcaggat	tctgcaaaac	taaaatttga	agcaaatatt	ggaagtcaat	tccatacatc
76561	accaaagaga	ctgtcttaac	tttttatcag	attacctcta	tgttggtccc	attaaagttc
76621	taatgggtgc	aatcattttc	tttattttaa	cttgtacaca	tttaccttgc	aggaaaggtt

FIGURE 2-U

76681	aggctagcag	gccccaaaag	aaaatgccac	ttgttggtgg	gaccatttcc	caggtcctat
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76801	attctacctg	caattttgga	tttataagag	aatccccttt	tatttccatc	actgtctatg
76861	tagtcatttta	aaagtttccc	ctttttttct	gcactagaac	ttgtccagtt	ttaaagggaa
76921	ggaaccagtt	ctaaactata	taatctccac	agaattataa	tttctttcat	gtgtacttta
76981	aatattggaa	ataaggttgc	tgagactggc	tgcgtcgatg	aaagtcaccg	tcaagtactg
77041	cagcaaaaaca	taggacccac	cataaaaagg	ttttatccca	tggaaacctc	tctctttctt
77101	cttcttcctt	ttttaaagat	aataaaaaat	aggacacagg	acaaaaaagt	aataaaaaata
77161	ttgggttagt	ggaatacata	agtctcctca	ctattaaggc	aaggggaaatg	gggttatggg
77221	gtccacgtgt	ttggaaaatt	cttcatagac	acatgaattg	tgtggggcat	aggggtgtgt
77281	gtgtgtgtgt	gtgtgtatgt	aaaattttta	ggacttttaa	attagctttg	gctttggtac
77341	tataacaacca	ataaagtgtg	acccgctgct	ctcttggtcc	tttatgtatc	agcattttctt
77401	accctaattg	tgtttgagg	aaagcaaata	gatgtgttta	tttgtttgaa	gacacttaaa
77461	aaatcagtc	gaaaaacaata	tgtgcttctc	agtgaaggc	aacacccaca	atttatttttc
77521	gcaaacagtt	gggtaaaaac	attccaacag	aattacattt	ctttggcctt	ttacccttta
77581	ttttgcttgt	tctgatttct	tagcctactt	aaagaaccac	tgtcagttaa	gagtcacagaa
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78241	tagacgcctt	tctgaaaagt	cctggaactt	tcattttata	gaaagtagca	atatgaattt
78301	cttaaaaagc	tgaaagaggc	aatgggcatt	tgatttttga	taagatattt	gattagtatt
78361	tgagattagc	taactaagtt	aataataagt	ccagatcaaa	ggtagaact	tttaggacc
78421	caagaatatt	tgttctgttc	catgaccaca	gatgaacccc	tcctctcctt	ttttgcagcc
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78601	ataggtgaca	cactttttac	ttcattttcg	ttttcagtag	gtttttcaac	ctcgaatctg
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78781	gcagacatgg	tgccttgatg	cctttggaaa	ctgtttcctc	tttcaggaaa	ggagcatcat
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78961	agtttcaaaa	cactgctgta	ttttgacct	tcttaataaa	ggtagagatt	ttgactgttt
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79081	cagttttttat	accagtgtat	aataagtgct	cgataaatat	ctgattgc	gtagacaagg
79141	cttctcagtc	catagggat	gatgttctaa	aggtctcata	tcccaagacc	aggtaattta
79201	gataagaaag	tcttgtcatg	caaagtgggt	gaaaagtgca	aaagtggaa	agcataatta
79261	gaaagaacca	tctgagattg	cctgccta	tcatctgcta	ctgccaaaaa	aaaaaaaaca
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79561	tcaggacata	cttgagtga	aataacagaa	cagttaatgt	ttgcgttttc	taccctcact
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79801	gatattgggtg	ttcaattaa	gaaaaaacat	cgggggaatc	tgattgccat	ctgtcttttt
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79921	agatttttaa	aagtcatttt	atgtgtatca	tttaattctt	acaacagcta	tcaattacgt
79981	aaatattaca	tcgaaacact	tgaacaatg	ccaggcatag	agtaagaaaa	atccaagtgt
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80401	aaaacagtat	ttagcctttg	gttcctggca	cagactcctg	taattcttgg	aatttcctga
80461	gggaaaagac	tgtcttttgt	tattcataac	aggcaccttt	caaccatatc	tgagtttatg

FIGURE 2-V

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80581	ggcaccaccg	aggaaccaa	catgtaattg	gacgttggtga	atttcaaccc	tccccacccc
80641	caacctccag	ggaggagagg	ctggagattg	agttcagtta	ccaatggcca	atgatttgac
80701	caatcatacc	tacaacatga	aactttgata	aaaactcctg	agcaacaagg	cttggggggc
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80821	ctctgcacgc	actccttctt	cactcccact	tctccatata	ctgctctatg	catcacttcc
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81001	tctcaaattt	acagtcttct	gggaagaagt	gtgactagcc	tggggacccc	atttttggct
81061	ggcattttgta	gtgggggcat	tcttgtggaa	ctgatctctt	aatctgtggg	atctgcactg
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81181	gttggtcatt	tggaaaacca	tatatcata	tacctcttaa	attccatatt	ctgtcatttt
81241	aaagagaata	aaatggccat	tgatgactta	attactggat	ttacacatat	tccattattt
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82261	atttcagttc	agagtgtata	tcagaatgat	caaaccctgg	atgttccaga	aatattggct
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82381	catccccctg	gtacttatcc	atggcaatgg	gaacaataag	gatttatggt	cttgggaagg
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82561	attttccac	ttgtagtaaa	gattatagga	gtaaaagcac	aaagcaggct	gacccttctg
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82921	gccatttagct	ctattttttt	catctttaca	ttcatcagag	tgtataaagg	ttgaattggg
82981	gttgacgtga	aaaattatac	tgttagaatg	tcattgaaga	agcaccctcc	tatttgagca
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83221	taactgactt	taactgactt	aattctcaca	acaatcctga	agtaggttcc	tatttccctt
83281	gccaccctca	cccctgccat	tttacatctg	aagagatgga	ggtgcagaaa	gattaagcaa
83341	attgcccag	gtcacacgga	tagtaggtgt	caaaagttag	attcaaattc	aggaaatctg
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83521	tgagcttcaa	ttgaaatata	atattaatac	attagtcaaa	ggggaagaat	cttaataagg
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83641	atcttttagtc	cctgattaaa	attatgtctg	caaagtagaa	tttaggggct	agttcagatt
83701	gcctgacaga	tcaatgagaa	actctgaaaa	ataaagtatg	atatgcagac	aacaggatgt
83761	taacataatt	cccttacagt	tcttaatact	gtgtcttgtg	ctaagtcagt	ctttggaatt
83821	atttattggg	gaaaaatgaa	ggaaaaggga	aaagcatgga	ttaatgaatt	tgtgtctgga
83881	gcaaatataag	gaaattaaca	tgaacccaaa	gctaatacaa	agttgcagca	atctctcatc
83941	ccaggaaaaa	ccaatgagcc	ttacccaact	accatgaaac	taagccataa	acaatctggc
84001	agggctgctt	gtaggctggg	gttaaatgtg	tctgagttct	tgctggacgg	atgaagcccc
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84121	actactgtgt	tgcaaaaatg	agctaattcc	caattctgtc	cccttatggc	tcgatagatg
84181	cttttagattc	cttgtcaggg	ctttaattct	gccatggcag	ccatgggaag	cagtgaccct
84241	caaaagcaaa	gccaccaa	ttcttttgcc	ctctaactgc	tcagaatgca	agtatgaact
84301	ttcctcatct	gccttctttc	aaaaggttta	ttatgaaact	ccctaaaagg	cttcaatgca

FIGURE 2-W

84361	cattctcgga	gattggcaga	cagagtgcgtg	gaggcagga	gaaaagggtcc	ctagctcttc
84421	cactttctag	ctggccaact	ttgaacaagt	ctcttgacct	tcctgggtttt	ctattccctt
84481	atctgcaaag	tgatgattta	gactagatgg	Sccttcaggt	ttcttctagc	tctgataatt
84541	ttttactttg	agattgcaaa	atgtcttctg	ttttaccttc	agtgtctctg	catttaaaaa
84601	acagaaaaca	aatatgacaa	caataaaaaa	ggtatgttgt	tgtgagggtga	atggtttggc
84661	tctgggttcc	catccaaatc	tcataattgaa	ttttaatccc	cagtgttgga	ggtggggcct
84721	ggtgggaggc	gattggatca	tgagggttgt	ttctaattggc	ttagcgtgat	tccccagtgt
84781	ctgtcttgta	atagagttct	gagatctggg	tgtttgaaag	tgtgtagcac	ctcccccttt
84841	gtgctctccc	tctctctctc	tctctccccc	acctccact	gcaggccatg	tgaagatgtg
84901	cctgcttccc	ctttgtcttc	catcatgatt	gtaagtttcc	tgaggcctcc	tcagaagcag
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85561	acaacaacag	atatcacaca	gatttgctga	gaagcagatg	gcagaatcca	tcttctcta
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86101	ggcctgagcc	tcagtttcta	gcataagaca	gtacatctta	aagaagtga	ccaagtatct
86161	cataacagta	ccataaagaa	gtgacccaag	tatctcataa	attacaaaat	ttaagattttt
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86281	attaagcaga	tataatagac	aatgagccat	atctgttatt	aaaatgaaga	agacctgggt
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87301	cacctcgcc	tcccaaagtg	ctgggattat	tggtttgagc	caccgtgccc	ggcagtttc
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87841	aaacaaatta	gccttcaata	tattggattg	cttcccttct	cattgtgcct	agggtaggct
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88081	agttagagct	ccttctgggt	tctatgtact	taagcctcta	gggctgggat	gaaatatgga
88141	ttatctgtga	ccaggcattt	ctgccaccag	ccacctatct	gcttccactt	gttttttccc

FIGURE 2-X

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88261	gagttgcctg	cctttggggc	cccaccgagc	tgactcagct	gagaatcctg	tccaatgtgt
88321	tccagttctc	ataagatgca	aagtggccca	ttggaaagac	actcaaaaca	tagtagat
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91321	cattttgatt	attgaaaaga	ttgattttgg	tcaatat	ctgagaagaa	atcagagaaa
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91441	atactaaaat	aaactattta	tactaccatt	cagtgataga	tgatgtatat	ataatcttct
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91561	gtcttatcat	tgcaaggaag	aataagaagg	tattacgtaa	cagtaaggga	gaaaaaaatg
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91681	gtgaggtcat	gctccctata	aataaagaaa	gacttctcgt	ttcagcaatc	actagctata
91741	ggagagcaac	ttagctatga	gatagcaact	gagtccttca	tgaacttcag	ttcttaaaag
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91861	acacttgtca	agtccctgtg	gggtgctgtt	catatatgta	tttcatttgt	cttcagaatg
91921	ctgcgaggaa	cacatgactt	tcccttatcc	tagtgatgag	ctcatgagat	tgagaggtgc
91981	taagtggc	ttggggatgt	taaactatcc	tgtcatgcac	caattgacct	gcacaatcat

FIGURE 2-Y

92041	cagctgccc	ccccagatat	cattagtggtg	ccatttgaga	cacattatga	gattRttcct
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92161	aagggcagaa	atggcattat	gggcctggaa	atccgctccc	cgcccatcag	acaagtttat
92221	gtctaaagaa	ttccagacag	ataagaatct	gctttgtttc	cacagactta	cagagtccaa
92281	gatttcacat	catacacccc	cattgaccca	ttgtagtttg	cacttcccctg	gcgaccagga
92341	aattttcatt	atatctggct	gaagtccttc	tgattgctat	gcaaacctat	ttccccttgc
92401	tttttactct	gtaaagaaag	agtcactaaa	caccattcac	agtattttaa	aaaaaacaca
92461	cacatcagtt	cacactttaa	aactaaaatt	taataaaccc	catttgagg	aagttaata
92521	aagaataaca	acatttgtct	atgaaaaaaa	ggcaaggaaa	ttccacattt	ccaagttaga
92581	gaaataaggc	taagagaaga	tcaatttata	atTTTTaat	ggagagttgt	ggttgatggt
92641	aagcttctta	gtttccacta	gaaaacaaga	gagggaaGRc	actaagattg	cagtaggaa
92701	catttaattt	agaccattta	atttcacatt	tttagtcttt	gccgcaaagt	aaaacataca
92761	tgttttcatt	gtgatgcagt	acacagattg	gtatctatat	ctatattggt	gtagatatgg
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93361	atatactgat	aatccatcca	ctgctctctc	ctaagggtgg	atctcatctc	aactctttgt
93421	caacagtcca	gcagccagtg	cctaggttgg	acagcatgca	agatgaaatc	tttgtgatgt
93481	gccaaagttt	ggaggagagt	tcactgtgag	agcctgtcat	tatccactta	ccactcccca
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94441	aatgtcatac	aactccaaga	gttcagactg	atccaaatct	tgttctttct	ttgtataaac
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95161	aaataagagt	gaaaaattccc	atgtgtttac	tttggtatat	ttagtatgag	gtctggcttS
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FIGURE 3-A

>20:5842401-5932800

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1021   ttcaggaggga acttgggggtc ttcatagcat aactttgggc ttcttgaaac agttgaagtg
1081   atcccagatc atgctttgaa aagaaaaaatt tggtaaagta agtaaagtga taggtgtttt
1141   tttccagggt tgagcccat gatagttaat tgataggggg tggggaatgt ttaaaggaggc
1201   ttagagcaaa gcattttgca aggaaagggtc aggttgctgc atttgaatag ctttcatgtc
1261   tgatgtctga gaacttgccc cagctagctc tactctcttc tcagggactt agaagaatth
1321   tctgcactag cKtctctctgc tcagttgcct gctacaggaa tgccaggaga actgtagaga
1381   tggactttaca tgtaaatgct tgggtgtgtt ctaatagaaa gggcttagaa caaagtcaaa
1441   gtgaaaaaag aatcaaaagca gctttgagac agaaaaaaa tggcactgaa aaattaaaa
1501   tacctgaagc atttttgaag aagacaaagc aacttcaaac actgttttaa gataggcgga
1561   atcccatgaa attttattga aataaattaa aatttttctt ttaaaatatt cttataaacc
1621   aatgggttaa caccaatttg cataaaatat tatggacttg atgctgtact aggagggtta
1681   gatattctgcc atgttcttta catggttgca aacagtgtgg agaaagagaa acacaatggt
1741   gatacggatg cataaacgag cttgttcagg caaaggcctt gcgggtgaaa aatgaggtaa
1801   ttaattatgg aagacatcca taaccatgtt tttgtcaagg aagtaagttt tgggaggata
1861   tatttttgga aacagagata cggagagaga gcYacagatc tttacctatt tgggtaggc
1921   agagaaggac caaggagggtc attcttgttt tattagactt agtttggttt aaactttttt
1981   ttttttgaga cggagtctgg cctgtcacc caggctggag tacagtggca cgatcatggc
2041   tcaactgcaac ctccgcctcc tgggttcaag caattctcct gcctcagcct cccaggtagc
2101   tggcgcgctgc caccacgcct ggctaatttt ttgtagtttt agtagagaca gggttttgtc
2161   atgttagcca ggttggctct gatctcctga ccttgtgatc caccagcctt ggctcccaa
2221   agtgctggga ttacaagcat gagccaccgc accagccctt agcttaactt ttaattgaa
2281   ataaaatata tagaaaatgg aacagatcat gagtatacag cttaatacgc acactgtgt
2341   aaccagcact gagattaaaa aatgggcat tcttggttcc ccagaagtcc cctcctgtc
2401   tgtggtctag atttgattta taccgatctt aaaatagcat ttgtttccaa atatatttaa
2461   gacattgcca ggggaaaaac aacaactaat gtgggtgat tttgtcagtt ggggtcacac
2521   agctttcaaa aaccaactca agtcattttc cattcttttt ctcttcaaa gctgtcaatt
2581   ccatgccagt ggataacagg aaccacaatg aaggaatggt aagttgcaat gtcaatctta
2641   gaatctagac ttgtgtctag actctagatt ctcccagtc ctattatacc aaaccaaaaca
2701   cacgcatgac ataactttac aaagccaggt tttcattgct gacagaatgt gagcaaggga
2761   tgccccctct gcaactgagc cctatStcct gtcaggatgg tttagcacc ctaggtagatg
2821   ctgtgccatt ggttcagaaa tgggtgttta tttcccttct ccagataatc ccaactcagt
2881   gcttcttgtc attattctgt gtagaagttt ggaagatttc attctgttcc tgtaaatctg
2941   tatctccgcc ctaagaatac tRcatagcc caggtcacgt aatcaagtct tccttgacag
3001   cagctctggg ttgagtagtc tgtcatccag tgataccagc ttctccaacc tgctttcggg
3061   tttcccccca ggtgactcgc tgcattcatt aggtcctctc aaatgccttg tcgaagtcca
3121   gcgctccacc catcacccct gagtgccgcc aagtcctgaa gacgagtaag tgtcccacac
3181   ggcaggcaga tcttggtcac tgcagtgatc cttgttccta ctccctccac atcaccttct
3241   actttatcta caaatgacct gggggcataa tgcactagga agagtattga tgcactaggc
3301   cagtatctgg gagacagaag atatgactcc tagttcctgc tttaccactt cgcagctgtg
3361   tgactatagg aaagacMgtt tgcctctctt ttcctcaaag taaaatgaag gagtgaact
3421   cagtgatagt ctttcagatg tctatccgtt cttaaattcc ttagttccat actttggatt
3481   tttagaaccc gacttctttt ggggtggagg ggtttgggaa atgctgggtt tgattagat
3541   gaggaggggg gttatggaag tgttggcaaa tgacagaggg agatttaaaa atcattcttc
3601   tctttgcctt ttgctcttct gacagtgaga atcaggaagc tgagaagcaa gaaacttaga
3661   aaggtgactt aaaattctgg cctatttaca caacaaatta gctaagatat ttaattgtat

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FIGURE 3-B

3721	agcttactag	aatagaaggt	gccaccaaat	ggtaccagga	gttccaggcc	tgagaactgg
3781	aaggggtttca	ggtagaggca	gtgcattcca	gtgaggcaga	ctaattggctt	tctgagtcca
3841	gcctgtgaag	tgttctcaat	atgaaaccat	ttctgctgaa	aataaaat	gaacagtaat
3901	ataagcagta	cccattggaa	attgacatta	tgagggtcaat	tttacaaaac	tatgcagtct
3961	ctgttatgca	tgaagccaca	ctgattcaaa	caaattccaga	aaacactgcc	ctcttcaaca
4021	ctgtcctctg	cttttaaact	tttagtcagg	ctgggaacag	tagattttat	cttatttttt
4081	cacctttaaa	aatctttcag	gtgggcatag	tggctcacac	ctgtaatccc	agcactttgg
4141	gaggccgagg	cagggtggatc	acctgagggtc	agcagtttga	gaccagcctg	gccaacatgg
4201	tgaaccctg	tctctactaa	aaatacaaaa	aaaaaaaaaa	aaaattagcc	aggcatgggtg
4261	gcaggcacct	gtaatcccac	tactcaggag	gccgagacag	gagaattgct	tgaacttggg
4321	aggcagagac	tgcaagtggc	caagattgaa	ctccattgaa	ctccagcctg	ggcaacaaga
4381	gtaagactcc	atctaaaaaa	aaaaaaaaaa	aaaaaaactc	tcattgccac	cagcctggcc
4441	aatatggtga	aaccccatct	ctactaaaaa	tacaacaact	agttgggtgt	ggtggcgggc
4501	gcctgtaatc	ccagctactt	gggaggctga	ggcaggagaa	tcgctagaac	ctgggaagca
4561	gaggttgtag	tgaactgaga	tcgtggcatt	ccactccagc	ctggatacag	cctgggtggc
4621	agagtggagg	tccatcaaaa	acaaaaacaa	aaacaaaaaa	aacaccaaat	aaacacctct
4681	cgctgccaga	caagactctc	ttgctatagc	tatacatgag	ccctcatgca	tgaatggta
4741	aaaagcaaat	agtgattggc	caaaagagta	acctgaggcc	aggcgcagtg	gctcacacct
4801	gtaatcccag	cactttggga	ggctgaggcg	ggcggatcac	aaggtcagga	gatcaagacc
4861	atcctgtcta	acacagtga	accccatctc	tactaaaaat	acaaaaaatt	agccgggcgt
4921	ggtgacacac	gctgttagtc	ccagctactc	aggaggctga	ggcaggagaa	tcgcttgagc
4981	ccaggagggtg	gaggttgtag	taagccgaga	ttgccccacg	gcattccagc	ctcagtgaca
5041	gagcgagtct	ctgtctaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	agagcaacct
5101	gaattaattc	aatctttggg	ggcttcaggt	aacaatggta	gctgtggggg	cctgagcctt
5161	tagggaccct	agaacacagt	gatggaagct	ttcctaccac	tcccagccca	catacctctt
5221	tctgagtttc	tttccaactt	cttttttcca	gcagttacag	gaagtgaagta	agagcagagt
5281	gggtactag	gcagagagta	aaggctgtct	cttttggcaa	acccatcttg	gtatctccct
5341	ttccctttct	ttgtttacta	gaccaatgca	aaagtgaggg	gcctgtccca	tcagctcact
5401	aaagaaccac	agttgcttag	gaaaagttgc	ctatgcctgc	ctgccaagat	cttagccctt
5461	agattatggc	atagtaactc	tagcctctgc	tccagccctg	attatgccct	gaggtctttt
5521	gRtgtctgtt	gagagagacg	tagggaaact	gggaaaaatc	aatgtatct	aaggatcctg
5581	gagatgttat	acccagagag	tgacagaatg	ctgagatggc	Raaggtttaa	gactctctct
5641	gtggttgagc	cttaaacacc	aggcagagct	agacagacaa	ataacacaaa	agagtaaggc
5701	aggacaggaa	gtgactcaca	gactggaggg	cacatgcctt	ttctgagagg	gagcaggtaa
5761	ttctcagctc	ttaaaccggt	atggagaaat	acagactatg	ttgtcaaatc	ttgggatttt
5821	tcaaaagaag	ttaaaatttt	gattttttaa	agacatctcc	tggtattttc	atatcgcttc
5881	tgaaattcaRa	tgtactaaaa	ctgctgttta	ggtcaaacag	aattttacctc	tgaatgcacca
5941	gtttgcaact	tttatcctat	tctagtcttc	tctctcttgt	tggcatgtcg	taaactgac
6001	agaagactgg	tggagctttt	gcccactgg	ttggatgaat	gcctttatac	agcctctgtt
6061	ccacccccacg	cccactctcca	ctcccactcc	tacttgcatg	tctcagagtc	agcatatact
6121	cactgagcaa	atgagtattt	ggggagttagg	acagaatcat	tggtttatgg	atttgagaga
6181	cctcagggaa	gacgtagtct	aattcttcca	caggatcaag	aatctctttg	actagggttg
6241	atctggtcat	ccttacagca	tgacagatgc	atctccctgt	tttcgcttga	aagtaagtgt
6301	gagcttcaca	gcttgatttt	acagcttgac	agtgagtgtg	tgctgctatc	acagcctctt
6361	ccaggccccc	ctgcggggct	ttaaagctaaa	tttagtagga	agagctaagc	ctcaggcaca
6421	tgctgctcag	gcagtacata	tttaattggg	aaaaaataaa	aatacttctg	ttcctgacac
6481	ttaagactca	caaacagta	ggcagttaga	aagggaaccac	agtgactcgg	cccctggagg
6541	ctgagatctt	gtctgatcag	ctctatttca	accaactctc	agaatgacat	cagtatctgt
6601	ctgtcttagt	cagcttgggc	tgctatatca	aataccatag	attggatggc	ttaacaact
6661	aacatttatt	tttcacagtt	acagcagtcg	gaagtccaag	atcagagtgt	cttatgaggg
6721	ccacttccct	ggctttaga	tggctgcctt	ctgtcactgt	atcctcatct	ggtggagaca
6781	gaaatcatct	ctttctcata	tgtcctttct	tagggcacta	atccatttgt	aagtgtctcta
6841	ccttgatgac	ctaattacct	ctcagaggcc	cccactcca	cgtgctatca	cattgaggat
6901	tagggcttca	acattttgga	atcacacaaa	catttagtca	atagcactgc	ccagagccac
6961	catgcttccc	tgtgcccac	tggctagcca	tgccccaatg	ctatacacac	caccactggc
7021	ttttaagagg	caaagagact	ggtgacagat	gggccttctc	tcagatgtct	ggaaaaggcc
7081	agggacattt	tcattgcctc	ataaacatga	gaatattatt	atcatgccag	actggacttt
7141	aaacagagag	gtacagagag	tccactattt	cttgacattt	tttacaaaat	aaataatttt
7201	tttccatttt	gcaaataatc	tttcaaaata	acttatcagt	gccacccaat	agaaatataa
7261	tgtgagccac	aaatataatt	tcaattttta	tagtaaccac	atttaaaaaa	taaaaagaga
7321	caggtggaaa	ttaatttcaa	taaatatttt	tattttttat	caattttttt	ctgatataata
7381	attttataaa	tctgatctat	ttgaaatata	tattatccaa	tacatccaaa	atatattttc
7441	aacatataat	gatataaaaa	ttgttgagat	tattttacat	tattctttat	tctcagaagt
7501	ctgatgtgta	tcttacatat	atagcatgtc	Ycagatcgga	ccagccacat	ttcaagtgtc

FIGURE 3-C

7561	caacagcact	tgggcttatg	gtgcctgcag	tgtagaccca	gagctgtcag	tggccttggc
7621	ttcaggcatt	ttatctgaac	tctgtgacat	aggttgaaat	ccaagccctc	ccagctaaca
7681	actgagacaa	tgctaactgc	ctatctcctt	tcatgggggtg	cccttgagtt	aaggaggact
7741	tagtaaagga	gctattgata	tttggaagaa	atggacgaga	acagcattca	attaaaatat
7801	cagttatacc	atgtactctg	actctggaaa	cacaaagata	actcactgtg	ctgaagtctg
7861	tccccaacat	ctgagaacat	gttgggtgga	tggaaacctga	gtgaagaaaag	aaatggccct
7921	ttccactgat	gtgcagtttt	ctcaggcaag	aaatgtacac	ccttatcacc	agctactaag
7981	ttatatatca	catactgcta	ggttgagcct	acagttgatt	ggataataaaa	agtctgatat
8041	aaactaataa	tttcaaattgt	ttaaattcctc	ctttgaatct	tgatatttct	tattttggct
8101	agttaactat	ctagctggat	tattgttaga	gccattcaca	tagtgctaac	tttttaactc
8161	ctacttgaag	aaaatatgga	aagaatggtc	ttggattata	ccatgctgag	tctcaatgtc
8221	tgcaaaaaga	agaggttgga	ctggattaga	tgaattctaa	gatgtttYct	gcctctaaat
8281	tctaataat	cataaatcta	tatctcgatt	tcagtttgat	cattggtagt	accaatgaga
8341	gaagctggct	gggcattatg	aagacataaa	aatatagaca	gtttattacc	agatttaaac
8401	acagtcaagg	agctttcata	gcatttactt	tcaaaaggaa	tctgagtata	ttcttcatta
8461	acttaaataa	ttatccaagc	aattttcagt	gtcatcagga	tttgtagtga	ttactgaggc
8521	tgggtgcttg	ggaaccacaa	gcaattctga	aattatacct	actcttcatt	ttcattatag
8581	gtagaaaaga	cgtcaaaagc	aaagagacaa	ctgaaaatga	aaacacaaaag	tttgaagtaa
8641	gattgttaag	agaccagct	gatgcctcgg	aagcccacga	gtcctccagc	aggggagagg
8701	caggagcccc	aggggaggag	gacatccaag	gcccacaaaa	ggcagacaca	gagaaatggg
8761	cagagggagg	cgggcacagc	cgagagcgag	cggtatgagc	ccagtggagc	ctctatccct
8821	ccgagagcca	agtctctgaa	gaagtgaaga	cacgccattc	tgagaagagc	cagagtagag
8881	atgaggagga	ggaggaggga	gagaactatc	aaaaaggggga	gcRaggggaa	gatagcagtg
8941	aagagaaaca	ccttgaagag	ccaggagaga	cacaaaacgc	ttttctcMat	gaaagaaagc
9001	aggcttcagc	tataaaaaaa	gaggagttag	tggccagatc	ggaaacacat	gctgccgggc
9061	attctcagga	gaagacacat	agccgagaga	agagttagcca	ggagagtgga	gaggagRcag
9121	ggagccagga	gaatcacccc	caggagtcta	aaggccaacc	ccgaagccag	gaagaattctg
9181	aggaaggtga	ggaagatgcc	acctctgagg	tggacaaaacg	acgcacgagg	cccagacacc
9241	accacgggag	gagcaggccc	gacaggtcct	ctcaaggagg	gagtcttccc	tctgaggaaa
9301	agggacaccc	ccaggaggaa	tctgaggagt	caaacgtcag	catggccagt	ttaggggaaa
9361	agagggacca	ccattcaacc	cactacaggg	cttcagagga	agaacctgaa	tatggagaag
9421	aaataaagg	ttatccaggc	gtccaggSc	ctgaggacct	ggagtgggag	cgtatagggg
9481	gcagaggaag	tgaRgaatac	agggctccaa	gacctcagag	tgaggagagt	tgggatgagg
9541	aggacaagag	aaactacccc	agcttagagc	ttgataagat	ggcacatgga	tatggtgaag
9601	aaagttagga	agagaggggc	cttgagcYgg	gaaagggacR	ccatcacaga	ggcaggggag
9661	gggagccacg	tgccattttc	atgtctgaca	ccagagaaga	gaaaagggttc	ttgggtgaag
9721	gacaccaccg	tgtccaagaa	aacctagtg	acaaggcaag	gaggcatcca	caaggtgcgt
9781	ggaaagagct	ggacagaaat	tatctcaact	acggtgagga	aggagcccca	gggaagtggc
9841	agcagcaggg	agacctgcag	gacactaaag	aaaacaggga	ggaagctagg	tttcaagata
9901	aacaatatag	ctcccatcac	acagctgaaa	agaggaagag	attaggggaa	ctgttcaacc
9961	catactacga	ccctctccag	tggaaagagca	gccattttga	aagaagagac	aactgaaatg
10021	acaattttct	cgagggtgag	gagaaaatg	agctgacctt	gaacgagaag	aatttcttcc
10081	cagaatacaa	ctatgactgg	tgggagaaaa	agcccttctc	tgaggatgtg	aactgggggt
10141	atgagaagag	aaacctcgcc	aggttcccca	agctggacct	gaaaaggcaa	tatgacaggg
10201	tggcccaact	ggaccagctc	cttactacaa	ggaagaagtc	agctgagttt	ccagacttct
10261	atgattctga	ggagccgggtg	agcaccaccc	aggaggcaga	aatgaaaaag	gacagggctg
10321	accagacagt	cctgacagag	gacgaggtat	ggcttagggc	ttctgtttaa	aagtacttac
10381	tctggtcaat	gttagcacat	tatgttcaag	actatccgat	attcacgggg	agaaattggg
10441	gggaattaat	cactatgaaa	atggtgtctc	agtaatggag	tggaggccac	cttgggggtc
10501	ggtttccacc	tacctctagc	catcgtccac	atccttgtcc	acctcactcg	gttgcatgtc
10561	ttctcaacct	tgtctgcaca	ctggggtcac	ctggagagcg	tgaaaaatta	ctgtgttaga
10621	gattctgtct	acttagttcc	taggggtcgtg	cctgatcatc	agaatatattt	aaagcttcca
10681	gatgattgca	gcgttcagcc	aacgttaaca	actgctgttc	tggatatcttc	cccttgggtc
10741	tcttattggt	catcactctc	tccctgaggc	agggagaata	ggtgatagag	aagtttactt
10801	gcttgccctat	ttagtttgct	atctttatta	tttcatgccc	tactgccatc	agaaatttgt
10861	attcggggaga	ggtaacacta	ctggagctga	acctacccaa	acaatgtttt	ttttccta
10921	attgattatg	taggttggtg	cttctcaaa	ttgaatgtac	attaggatca	tgagggattc
10981	ctagccccc	gagttcctca	tttagtaggt	cccaagtga	accccaatat	ctgcatttct
11041	gacaagttcc	tggctgatgc	cactggtcag	gKgaccacac	tttgagagtt	actgaggtag
11101	gttgactaat	gcagcttcta	acatgcctaa	aattccccct	tgcactcatR	ctccatcaaa
11161	ctacagcaaaa	agaaattggg	tcgggacctc	atgcctccac	ttttctgtat	tttccagaaa
11221	aaagaactcg	aaaacttggc	tgcaatggat	ttggaaactac	agaagatagc	tgaagaaattc
11281	agccaaagg	gctgactgtc	attggagcgg	tgggcaactgt	taagaagcag	ccatcacatg
11341	atctgttttt	caccacttca	ctgaaagaca	ccatttatMt	acccaagggc	agaaagtaga

FIGURE 3-D

11401	acttactatt	cattaaatgt	ttgacacaat	tgggaattgtc	tttaatttct	gtcagaatgc
11461	tattgaaaat	gtgaattgca	tgacttgtag	catattcttt	tctgcaaaat	agacatatta
11521	acatgcttat	gacaatgact	gtgctactgt	cttttgaaaa	atgtttgtct	cagtttgaaa
11581	taataaaaaga	ttcacctgag	accaaaaagct	tcattgttct	cagcttcttt	tgggcaaaaga
11641	gagaggtgtg	tgacttttca	aatctattct	ttgaagtaaa	ttgcaaaaaga	tRgccctagg
11701	at ttgttggg	ttttggatgc	ataatagaat	aaaaaagcaa	accttttgaa	gtaatgtgca
11761	ggatataaag	agaaatagat	tagaaaaaga	catctactcc	cccattgctga	gagagattac
11821	aggggcttga	agaacctgtt	tcaaaaaacaa	tcataagata	ttacttttaa	aattccttta
11881	tctaaagagc	tctacaagta	gccagccaaa	gttcattttt	cagggctgag	aagaaagctt
11941	ggataatggg	aagaattccg	gggtgggagt	gaaaacatct	ggattgtcaa	gacagatccc
12001	tggcccttca	gatcttgtct	gatttctact	ccttaagaag	atagaggcag	ctgggYgcgg
12061	tggtcttacag	ttgtaatcct	agcacttttg	gaggcccgag	cagRcagatc	acgaggtcag
12121	gagtttgaga	ccagcctggc	caacatggtg	aaaccccatc	tctaataaag	atacaaaaaa
12181	aaaaagctgg	gcatggtggc	gggcacctgt	aatcccagct	acttgggttg	cagtgcgcgc
12241	agatcaggca	ttgcactcca	gcctgggttg	cagggcgaga	ctctctcaga	aaaaaaaaaa
12301	aaaaaaaaaa	aaaaatatat	atatatatat	atatatatat	atatatacat	atatatatat
12361	atatatatag	agagagagag	agagagagag	agagagagag	gctaggcatg	gtggctcaca
12421	cttgtaatct	cagcactttg	ggaggccaag	gcagggtggt	tgcttgagct	caggagtttg
12481	agaccagcct	gggcaacatg	gcgaaacccc	gtctctacaa	aaaattttaa	aattagccag
12541	gcatggtggt	gtgcgcctat	agtcctctcc	tactcaggag	gccaaggcgg	gaggatcact
12601	tgagccctgg	aagttgaggg	tgcattgagc	cgagatcgtg	ccactgcact	ccagcctagg
12661	tgacagagta	aggtcctgtc	tcaaaaaaga	aaaaaaaggt	agagctttta	ctctgctgac
12721	tctgttacta	agtagctctg	actttgggca	agttactttt	cctctctgaa	cctcaagatc
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12841	aacagagcag	tgccctggtg	atatcaacgg	cataggaagt	gttagctgct	gccgtaatca
12901	ttcttgcagc	ttcttaggac	aatacagttg	gacaattccc	cttctccctt	tttttacctg
12961	tctcttaatt	cctcacccct	ggtggtctct	acttgggtga	tttctactgt	tttcacagtt
13021	ttggtaaaga	gttatctctt	ggaaggtggt	gcagaagaga	gtaagacctt	ctctttactc
13081	tctgaagggt	ggataattaa	gtctatggaa	taaactgacc	gtaggcagat	taacaggaga
13141	aaaaaacatt	tttaattacat	gcataggccc	aggagtccca	cacaatagaa	gactcagaag
13201	ggccagatga	ttgaagtttt	tatagcatcc	tgagctacag	aagagaatag	ggggcttggg
13261	gttccctggg	gacacagtta	tgggaaggtg	gcaggaggaa	ttgtatgata	aataaagggt
13321	gtgttggtat	gcagataaaa	tctctcaggt	aatcaaaagt	atccagcagc	cttctttttt
13381	tttttttttt	aaaagcttaa	tgaaatttta	ttttgaaaat	atggcaaaaag	tctaaggcac
13441	ttcaaatatt	taaatacatg	taggacccaa	gtaaatgtga	cacagtataa	aggaatccat
13501	aaatacacag	aactacacta	tatttctcta	gaggcaaata	catagccaat	tcctctaaca
13561	caattcaacc	tttatcatta	gatacaagaat	tgtgcaatta	tttaacaaaa	tatgataatg
13621	ttacatgtag	ttcttcatgt	ctttaattag	tatgaaatat	aaaagttgaa	aatactgtgc
13681	caatttcata	tactcttttt	ttttaaaaaa	gtcatattta	catctacctt	gatgaaacca
13741	aatgaaaata	ttttcttttg	taagtttcat	agtttttgag	agttctatct	agcccagact
13801	gaagttactg	atgatcaact	ttcttacttt	aaaataatac	aagaaaaaat	aacaaaactg
13861	tgctgggtg	gaattttgga	agagctttct	aatggtgccca	catttggtaa	atataaatat
13921	ttgtggaaaa	attttaaaac	gtgatgccaa	tgagaacctg	acacttctct	gtgggtgggtg
13981	tctgggagtg	gagagacgga	atagaaggtg	ccatttcagg	tcagggtcagg	tcacaattcc
14041	ctatggctgt	acataacaga	gcagagactc	aacagcaaca	cagagtaggt	taaagtgcac
14101	cgtacgcaga	cagaagatgg	ccagaaaagg	ggcatgtgtg	cccaggctgg	cagtctctgY
14161	actgtgaaa	cttcagtcct	tagccctggg	ctttatgctt	ctgtttgctg	gtgagctcag
14221	gcacaatgca	tatacattca	gtgtctgtca	ttccaacagg	cacagttggc	agcttaatgg
14281	tggcattaaa	atggagggtc	at ttgcatac	aatcaatcaa	atgaaactct	gtggcttcat
14341	tccaagccta	gggtgtcccc	gagactgagc	ttttgcaaa	ctgatgtggg	catacagaag
14401	aacagtgcag	cccttgtgcc	ccacttccag	ggcgatcgag	agcatggtgc	tgccatcatt
14461	gtcctgtcagg	tggacgttgc	agccccagtc	ggccagcagc	agcttgatga	tctccatgtg
14521	cccgtgcttg	ctggcacaat	gaggaccatg	gagcccttgt	cgctctggag	gttgacctga
14581	gccccacagg	ccggcagacc	atacaccatg	ccgatctgca	cagtaactga	ctgcagcatg
14641	agggccatct	gccccagctg	actggctttg	aggctcacct	ttcagccaga	gttcttcccc
14701	aacctgcatg	tcctctgctt	ccgcagctgc	gagggccgcc	agcatgatga	aggtatatgc
14761	ccttggtctg	gtgatccacg	ttacacatgt	gggtgtccaa	cagcagcttc	acaatctcaa
14821	aattggagtg	ggacaYgctg	taatggaggg	ctgtgttgct	gttgccatct	gccaagttga
14881	tgacctagta	gagggcattc	agggaggtag	cctcaaaaag	agctctgtag	tctcccaggg
14941	tggtgcaat	ggctaacttc	tgactggaca	cgcagaaccM	cttgtgctgg	aggggtgttca
15001	gactgaaccc	catatctttg	ctggctcacag	ctttggggtc	atttatatta	tttttcagta
15061	agacgaacgc	agacaacatt	tttttactta	attttatact	ccctctgatt	ttcaccctct
15121	caggttcacg	ttcttgaaac	tgcatttcat	cttccaccct	ggccRacttg	aaaccttcaa
15181	tgtaaatggc	atggtgccct	ttggccattc	cccaagtgtc	ttcatcctcg	tcttcttcaa

FIGURE 3-E

15241	gaggatacta	ctcaatgaca	ctcaatgaca	tcacactcgt	catctgactc	agaagaagag
15301	ctttcatctg	tgtgRaaatc	atcacttgaa	gttggttgc	aacctccatt	aatgccaaaca
15361	aactgaagat	tctttttcat	gccatttgaa	tctttgttac	catctttctt	cttcataatg
15421	ggctccagtg	tactttcatt	gtttgtgcat	atggaggcca	gcggccatct	ggttgtctgt
15481	caggttcact	agagaccatg	tcctttcctg	agcggggaag	gcatacctggc	tgctgaccag
15541	ctttccttct	gagatcccta	cctctgagca	gccttcttcc	tgatacagat	actttactaa
15601	tgtagatttc	ctttctagat	gtaMatttcc	ttgtaaaaag	gacagctttt	tagagccatt
15661	cctgtgtctg	tagtttctct	gaataatcag	ctcgaaatat	gccaaagagg	tatatttttg
15721	ggtggcacat	tgtggtctcc	tccagtcata	ttttgggatg	gtgtggggccg	agccccagca
15781	gaggcaaaaa	taagaYttaa	aatcacgtag	gactttttatc	catcaaggaa	gacctgggttc
15841	tctctctctt	ggctaagtca	agaattgcct	gtgctactta	accagattct	tttttagatga
15901	actctctgtg	acatactttt	ccaggagcat	tgctgcttYg	tcatatgggg	agccccacag
15961	tgtcataaat	ctgatggcaa	atttttctaa	acctggacac	acacttctag	aagggttctt
16021	gctatctctc	tgcttgcat	tttttttttt	tctggccatg	ggattgtgac	tgctgttttg
16081	taaagggcag	tgatgggggt	gtgaggagg	gaaggctgct	ggaggaggta	gctcttatag
16141	tggacaaggg	gggttggttaa	atacatacca	tactagtttt	ctggggctgc	cataacaaat
16201	caccacaaaa	cggatggctt	aaaacaagag	aaatttattc	tcttacagtt	ttggaggcca
16261	gaagtccaaa	atcaagggtc	tggcaaggcc	atgctccctt	caaagcctgt	agaggaggat
16321	cattccttgc	ttcttctctg	tttcttgctt	catccttgct	tcttcattcc	ttgcttcttc
16381	caggccttcc	ttggcttggt	gcagcagagc	tcccactgcc	acctctgtct	gcacatgggc
16441	actctctccc	tgtgagtctg	tctgttaaca	tgggtgttctt	catcaggaca	ccagtcatat
16501	tgaatttaag	acccatccta	ctccagtatg	acctcatctt	aactaattac	atctgcaacc
16561	acctattttt	caagtcagg	Yacattttca	tgtattagg	gttgggactt	caacatgttt
16621	tttttctggg	gacacaattc	aaccataat	aaagcaggcc	agcaccacc	ccccctagg
16681	ggagagacac	tgaggcacat	attctgcact	gcctcccaga	cttctctgt	ggatcatgcc
16741	ccaggtgcca	cagcagtgac	ctgcccataa	atgcagcctt	tattggctgc	ctttaccttt
16801	tccactggcc	actggtgacc	ctgctggtgt	ttcctgggat	catctctcat	ataaactgct
16861	tgttttcaaa	tacttgtctc	agggttgtct	cctgggggac	cctgacctaa	gaaactatcc
16921	aaagtcaagg	cttatattat	gccaaatagt	atacctgcac	ttgcaacccc	ttgtcttaat
16981	atatacctgat	acaagatact	gggaaatgct	cagcatgtac	tcacatgcac	agagtacaat
17041	gtctYttcct	tttttctctat	cacagcccag	cagaaaaaca	aatccttttc	taaagagaga
17101	ttcagggggc	caaggtgaaa	aatgatttac	tgtctatagg	agagaaaata	aaaccagca
17161	atacaccaaa	tgccagcctg	gcaaattctca	cacacacaca	cacacactca	cacatgggc
17221	actgctcacg	aggaaagctg	ctggaagcta	gagtgcacat	catatggcac	ccccagctt
17281	cccctgggca	tctgcttgt	tgaggttctg	cacattagta	catcttttca	ttttagtttg
17341	caaacacccc	aggggaggga	aacgtgaagg	tgtagatggt	ctatcaaaga	tgaaggagac
17401	taatacagaga	atcccaccca	atcgtgctg	ctcagacggt	acaattagga	ttctggggat
17461	gtcaccattt	cttcagggaag	aagtgaagaa	caatctagtc	cactgttttt	ccacttttta
17521	atcaaaataa	tttatgtcca	ttgtaaaaac	attaagtagt	cctgaaaggc	ttataaatga
17581	ggattatggg	ttgaattttg	tccccaaaat	gaagaagtct	taaccactgg	cacccatgaa
17641	tgtgacctta	tttggaatc	aggctctccg	agttaagatg	gggtcattag	agtttctagt
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17761	taccatgtgg	agacagaggc	agagactgga	gctatgcctc	ttcaagccaa	gaaatgcctg
17821	ggttaccaga	tttttctggt	acgggtcaagg	aaggattctg	ccctagaact	gtcagaggga
17881	acactgcctc	tgccaacaat	tcagtttcag	acttctggcc	tccagatatg	caatagaata
17941	cttttctggt	gttttaagcc	actcagcttg	tggcacattg	ttatggcagc	cctaggatatc
18001	taatacaatg	agaaacaatg	gcctcagtcg	ccatcctcc	aaatctgtgt	gcagatgcag
18061	ccacctgtaa	tttaactttt	agattttattt	tcttatttga	atatattgtc	atgatttata
18121	atatcatgac	aagtttatcg	agaaggagtt	ataacacaga	gctgggacag	gaggaaagaa
18181	agggtcctat	tattacaaaa	tgaaaataca	caccatgcc	ctgtaaaaca	tagtataatc
18241	aggaggccgg	gtgggtggtt	caccctgtga	atcccagcac	tttgggagg	cgaggcaggc
18301	agatcacctg	aggtcgggag	ttggagatca	gcctggtcaa	catggtgaaa	cttactacta
18361	ctaaaaatac	aaaaaaatag	ctgggtgtag	tggcagttgc	ctctaattccc	agctactcgg
18421	gaggctgagg	caggagaatc	acttgaaccc	aggagatgga	ggttgacagt	agctgagatc
18481	gtgccactgc	actccagcct	Rggcaacaag	agcgaactc	tgtctcaaaa	caaacaaacg
18541	aacaacaaac	acataatata	atcaggagat	ttcaggtgct	gaaataatta	attaattgca
18601	gtaattacaa	ttctgcagtc	caggatcctg	acactcacat	atatgacagg	cttactgag
18661	aaagtatctg	ttgatgaaag	acctaagaaa	aggggtgtgag	ccatgtggac	acctggggca
18721	aggacatttc	aggcagagg	aatagtaggt	gcaaaggccc	tgggtcagga	atgtgttttg
18781	catgtttgaa	gaagaacaag	aggccagagt	gggagactgt	cgtaggaggt	gagcttagag
18841	aggcagcagg	ggccaggtca	cgcagggtc	tctgtaggtc	ctggtaagga	ctttttgttt
18901	acaattggag	agttctcaac	ggatgactga	taggatttgc	tttatgttta	taacaacact
18961	ggctgctggg	ttgagtgatg	cggttagggg	aagtgaaggc	agaaacacag	aaaccaataa
19021	ggagggcact	gtaatgaccc	tgggtgggtca	ttgtgatggc	agggccaag	gtggtggcac

FIGURE 3-F

19081	tg ggaatggg	gagaagtggt	agaattctag	atctattctg	gagacagagc	tgacacgtag
19141	ggctgctggg	tttgggtggt	catgagggaa	tgagaggaga	ataccaaggc	tttaggcctg
19201	agcatctggg	aaaacagatg	gggagactgc	aggagggact	ggtttggaag	ggtagagatg
19261	gggagctcag	atttgaactt	gttaagtgtg	agacgtgaat	agatacccag	cagagggtgt
19321	gagctgggta	tatgagccag	tgctggagga	aaaggcctgt	gttgaagact	gcatgtggga
19381	gtcatcatca	tagagacggt	atttaaagcc	ttaaaactgg	gtgagatcac	ctagagttat
19441	ataaatgagt	gaaagatggc	ctctgtttat	tggtccatag	attgtttatt	tcttcattgc
19501	aggctgacac	tgattactgc	agaagccaaa	ctcaaatttt	tacacatcca	attattttaa
19561	acaaatttta	tgccaatttt	tagccattca	gggccttgct	ggtacatacc	cggtgaaact
19621	ataccagca	tctgttggcc	attgataaca	tagagccttg	tggttataag	acctaagtgt
19681	cgatgttaat	cccagcactt	tgggaggccg	aggcaggcag	atcgcttgag	ctcaggagtt
19741	caagaccagc	ctgggcaatg	taatgaaacc	ctgtctctac	taaaaataca	aaaattagct
19801	atatgtggtg	gcatgcgcct	gtagtcacag	ctacttggga	ggctgagggt	ggaggtcac
19861	ttgagcctgg	gaggtggagg	ttgcagtga	ctgagatcat	gccactgctc	tccagcctgg
19921	gtgacagagt	gagaccctgt	ctcagaaaaa	taaagccaaa	aacaaaaaca	caaacctcaa
19981	gccgtccctg	tccttcggag	ctctctgacc	cagagactcc	cctctgtact	gctgtgcaac
20041	accacctaga	cacataagcc	ttgtttctga	ctctcccctc	cctcgggggt	atccttgctt
20101	ttcctcctct	ccttctgagt	agcaaacact	gtagtgtgtg	ctctttgcac	agactcttgc
20161	tctaagggac	atccccctac	ccctatgcaa	acctgtcaga	gtgtcaccat	caccaataaa
20221	atatgtgtgt	gctgctgcca	tctcatggtc	atgtctttct	ctttgatcag	tccccaaatc
20281	ctccaaacac	cctagggagt	tagtgtagac	aagaaaagga	agaagtgcaa	gtgtgagcc
20341	ctgaggcatg	ccaatgttta	gaagtttcag	agatgaggaa	gaaccagtaa	gagagataca
20401	gaaagaaagg	ctggagagggt	aggagggaaa	ccaggagaga	gtgggtgtct	agaagccaag
20461	ggaggaaaag	cctggcaagg	agagggatgg	acgggtgtcag	acactgtctga	taggtccagc
20521	ggaccgagaa	ggagctctgg	atgtcacact	accgtccatt	gttgcttgct	gccacacca
20581	aacctgcttc	ccactgtggc	tgctccaaag	ggctgctctc	ccgtttccac	cagtgccaca
20641	atccgtctca	tcacgccact	gaaactcagt	atcagcaaa	tttttcacaa	aggccagag
20701	agcgtgtatt	ttaggctttg	agaccatatt	ggctctatca	caattattca	actttgccac
20761	agtgtgaaag	cagccattga	caatacataa	acaaattgag	agtggctgct	ttccaataaa
20821	acttcagttt	gaatttcatg	taattttccc	atgtcacaaa	tttattttat	ttttattttt
20881	tatttttttt	acttttccgc	ttcaaccact	taaaaatgta	aaaatctttc	gttacaggcc
20941	atacaaaaaa	cttgtagtgg	gccagatttg	ctgcccgtg	atttaaatta	atcatattct
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21181	ttacagggtg	cgccaccaca	cccagcta	ttttgtattt	ttagtagaga	aggggtttca
21241	cctagtgtgg	caggtctggt	tcaaaactct	gacctcaagt	gagccaccct	ccttggtctc
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21361	aatttaattct	agtttatagc	tcctattttg	tgtcactcac	aggtgacagg	agagcactga
21421	gaggtcacta	cccacctaag	catttgattt	aggaaaagta	ttcccaaaa	gcaaaagaat
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21541	tacacactca	tgtagacca	acatcaaaca	gattgaccta	cccctctttc	aaaacaaaat
21601	atccacagca	ccttgttacc	tgtcaaaaga	aaaatgaaat	gtcaaaatct	ttccagctct
21661	gttttaattga	tatctcagct	aagagtaaaa	aaaaaaaaaa	acaaaaacaa	aaaagcccca
21721	ggttattaat	agaactgtaa	aaagggcctt	ccaaaaggag	tgggtagagt	atgatattca
21781	tttcttatgc	ttcaaagatY	ttgccctttc	tcataaaaa	tcagatagct	gtgggtgcct
21841	agtaaagggt	aatacggtag	ttgaaagggt	actggttgct	ttttaagtag	ctattcaggg
21901	acttacctct	ctcaccatct	gacctgtgct	acatagttaa	gttcaaggaa	aattataatc
21961	cttttYacaa	aaattaatac	tagcctagag	gcaacatcat	atttcaagtt	attagataca
22021	ctctgttcct	ttctagcact	gcacttaaa	gcattacaaa	atcaggataa	agtgaatcct
22081	gatcatggat	ttttaggaca	tgcgtttttg	tatttagtac	tgttcttgca	ataYttacaa
22141	ccaacacttt	aaaacaacat	gcaaacactc	catttttttt	Ycccaaagct	tcactatgta
22201	ttgagaaaag	gctatttttg	gcttttcaat	atacaaccaa	tgcatgaatg	attgctcagt
22261	atttgcttca	tacaatttga	gtgtaccttt	aagctaaaaa	atgccctgta	atgggtgcca
22321	tgctatatgt	ccaagtaccc	tagtccagtg	gaggaacagg	atggatgtta	cagaatgatt
22381	tttgtctttg	acttcttgat	tgccattcat	taaagtgtct	ttctacataa	ctcctctggt
22441	ggctggatgt	ccaaaaatca	taaaattatc	cgttcatctg	ctccaaaggt	gaatgtccat
22501	tttaaacaca	agacaaaaac	atcctgtatt	tagctgtacc	catgatgtgc	atgcacacag
22561	tcgtgggttc	cagtgggctg	ttcctggacc	aacagcacca	atatcacctg	gaaactactt
22621	gaaatgcaaa	tgctctgtac	cactccagaa	gtactgaaat	cttattctgt	ggggtggagg
22681	gccagtggtc	ctctgcttac	caagccctcc	aggggaatct	aagttttcca	atgctaagtt
22741	tgcaaacacc	agaattcaat	catctgtacg	cagattaagt	aaactatatg	aatgagaaaa
22801	aaaaaaaaata	cagattaact	tatgctgttg	gcattggtta	gatgagttca	caaggtaaca
22861	tgagcatgca	gggccttggt	agctcagacc	ccagaccctt	tgctcaagaa	actcaagaga

FIGURE 3-G

22921	aaagatttag	ggaacggaat	gcaacttgca	aaccagtaac	caggagacca	gccactactg
22981	attctaattct	atgcagtttt	ctgttctcct	tgtccaaact	tgattagYta	catgtgtgtg
23041	tgacaccagc	ttgcaacaca	ctccgtgagg	tgccaatcca	ggcatgtcct	ctacaataga
23101	cagaccacgt	cacaatcggc	cgaagccca	caggacatca	ctgactgcat	caactgttaga
23161	agaatcacag	taggaaacat	tttcattttt	atttattttt	tgagacagtt	tcactcgctg
23221	cccaggtcgg	agtgcaatgg	cgtgatgtcg	gctcactgca	acctctgcct	cccgggttca
23281	agcggttctc	ctgcctcagc	ctcccaagta	gYtgggatta	caggcgttag	ccaccacgca
23341	tggctaattt	tctaattttt	agtagagatg	gggtttcaac	atgtttgtca	ggctgatcct
23401	gaacccttga	cctcaggtga	tccgcctgcc	tgggcctccc	aaagtgttgg	gattacaggc
23461	atgagccact	gtgcccggcc	gacattttta	ttctttaata	gcaattagga	taagggactc
23521	aaaattgtac	ttagtaataca	cattggcata	gcacatgcta	tttgaaaaa	aaWttttttt
23581	tctgagatgt	tccttgctgt	atgatacagg	cctattctat	gacaggagca	acgcaaacga
23641	tgaccatggt	ccagtgaagc	agactcaatc	tctcaaatga	acaagagcct	tggctgattc
23701	taaacacttt	ctttgctaca	gcacatgatc	aatgatttag	agtttttcag	agcttagaaa
23761	gggtaaccat	ctaatacatga	cagagttcct	cagcattaat	aatcaagaaa	ggcacttttag
23821	ggacatttga	caaggaatga	cactaataca	atgagaaYtg	gtctaagtcc	tgcaacaagc
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23941	tacaggtggt	acaatctatg	tctccacttg	catgtgtatg	tatatatctR	tgtatatata
24001	aatatatgtg	tgtatatata	ccaacatcta	tatacatatg	tgtgtgtgtg	caaatgtgta
24061	tccataagac	caYagagggg	gaaaagacat	ttgtttcctt	taattgaata	gtacacaaaa
24121	attctagtca	ctttattttg	aacaaagaat	aagagtattg	gcaaattaat	gcaaaaaagt
24181	accctactaa	acctttctat	gcacaaaaaa	gagcagtaaa	ataaatactc	agcaatttcc
24241	caggttgtca	actattaaaa	taaaacctca	gcatttcaaa	aaagcttatt	ccgtgcagg
24301	aaagaagggtg	gacatttttg	gtaccataat	aatcacaca	ctcacacatc	catattgctt
24361	aggttggaaga	gaacggaatg	aacagaggaa	atctcttcca	tgaattgccc	tcctttcggt
24421	accgcctatg	ttttagttac	tgtgtattat	tccacttagc	ttaaaatata	aagtcttgta
24481	gaaacacatt	tttaggatgt	tgaagttctc	aagatatttg	cacagaatat	ttagaagtac
24541	ttagaggagt	tttgttaaat	gcagttgggtc	atactacata	ccccatgggt	gcagttttga
24601	cagaccaaat	gcatctgtgt	cagaaataga	caaaaggcat	atactcctcc	ttcctagaaa
24661	cgggtacata	gacatgttct	tattcttggg	atatgaaaaa	acaagtagta	atggcattta
24721	aaagtttaatt	actaactgta	taattgcctga	gaacaaaatt	cagagcaatt	ctcaaaaggg
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24901	ggtgaagccg	gagagaagat	aacccccacc	tccactcatc	agcagtttag	gatgacttcg
24961	atctggcaaa	acctaataca	gacagaaaag	acattcatgc	tttcctaaga	caataaagtc
25021	catgctaaca	acacataata	caaaaatcag	aatttaaaca	acacaggttc	tcttgatgat
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25141	cttccctcct	tcccttccct	cctccctccc	ttccttccct	tctctctctc	tctttctttt
25201	taagaggcag	ggtctcactg	ttcctcaggc	tggagtgcag	tagtgagatt	ttggctcact
25261	gtaacctcga	actcctggcc	tcaagtgaac	ctcccacttt	ggctttccaa	agtgtcggga
25321	ttacagataY	gagccacggc	accaggtctt	aaatggacca	acttctaagg	actaatttct
25381	tcacattaca	atgcaaagaa	aagtgtagaa	attggtttaa	ttgattttct	ttgaaaaaat
25441	aaaactggcc	gggaatgggtg	gctcacgcct	gtaatcccag	cactttggga	tgctgaggca
25501	ggtggatcac	aaggtcagga	gtttgagatc	agcctggcta	acatggtgaa	accccatctc
25561	tactaaaaat	acaaaaatta	gccaggcggtg	gtggcacaca	gctgtaatgc	cagctactcg
25621	ggaggctgag	gcaggagaat	tgcttgaacc	cgggaggcag	aggttgagtc	gagccaagat
25681	cgcgccactg	cacccacact	ggcgacaga	gcgagactct	gtctcaaaaa	tgaaaaaaaa
25741	aaaaaaaaga	gaagaaaaag	aactgaagca	gttttcagtt	cagcccaggt	ttatctagaa
25801	actgaagcat	gtttctggcg	gagaatgggt	aatggctctg	gcagtactct	agaactgtgc
25861	atatagcttt	ctttctcctg	gcttcaggaa	gcttcatggc	caataatgga	gcttgggtct
25921	atggagaatt	tgctactgaa	tgtactacac	tccaaacctc	ccttccccgc	taccctgtta
25981	actctgccaa	ggcaacttct	ctcctctttc	tectgtaacc	ttagccaaga	cagacaacct
26041	ccacaaaggg	caggggttacc	caaggctcaa	tagcatcccc	actacagtat	ggtaagacac
26101	caagcaatga	gacggggcct	acggcagcat	ggaggtgctc	ccctcagatc	tccttcatg
26161	agggaaacagc	tgagaggcat	tcaggcagta	gaacacctcc	agctgccgct	cctttgggat
26221	ccactgcagc	attcataccg	agggaggcca	tgggttgctt	ccagttagta	actgagcatg
26281	ggtaccagag	ctggagcatt	tctgcttaac	acagggtctc	ttgaaatggc	atctttccac
26341	ttgggctcgc	catcagcctc	atggagactt	tctccagagc	agcactgcag	gctcttccca
26401	ccatcctcct	ttctctaccc	gctccttgcc	caggcatcaa	cctgcaccac	caatcttgct
26461	ccctctcccc	ttRtctttct	aaggcatttc	cctcaataaa	tctcttacac	ttcaacttcc
26521	atcttagcat	atgtcttcca	gaagacctga	actgacacag	agcccaccag	taaatcctga
26581	aaacttgctg	caaaaacatc	ctggcagaga	ggaaagggcc	agtttctcat	ccactggga
26641	attttgctat	tgtcaattac	atcatccaca	gtgatactga	ggccttgggg	aaataagaac
26701	cataatgggt	tgcattttaa	atgcctttag	ggcagagtta	cagagtaata	tattctgaca

FIGURE 3-H

26761	taacaagaga	aaaaaaggg	cacaaaaagt	caggggcata	ttctctgagt	aacagccatg
26821	agaaatctcc	atccctgtag	aaagaaacag	agacatctct	atTTTTatTT	tgTTTTgtTT
26881	ttgagagagg	gtcttactct	gtcaccaggg	ctggagtgc	gtgggtgggat	ctcggtcac
26941	tgacgctcg	acctccaggg	ttcaagcaat	ctttccacct	cagctcctga	gtagctggga
27001	ctacaggcac	ctgccaccat	gctcgactga	TTTTtatatt	TTTTgtagat	acagggtc
27061	gcccagccaa	tttatgtatt	TTTTtttTga	gagacaggg	ttcaccatgt	tgcccaagct
27121	ggctctgaac	tcctgggctc	aagcgatctg	cctgccttgg	cctcccaaag	tgctgggatt
27181	acaggcataa	gccactgtgc	ctggctgaga	taactctatt	taatgacttc	tagtactact
27241	gcaaggaaag	tcaagtctcg	ggagggcagc	tcttgggact	ggctgtaaga	acacgtacct
27301	gataatTTct	gagccaggtt	tcagacagcc	tgaggttgat	gacccctccc	ctctcccgca
27361	gttttTgtga	gcattccaac	agaggctgca	gacaacaaca	gaattctgtt	aagaactact
27421	tcctggggatg	cagtttaaga	atcaacattc	agacataaga	attcctgccc	attccattcc
27481	agtattacct	ctttgtactg	acagtagacc	acaaacggcc	ttgaaggggc	cacaaagtcc
27541	agcaaagaca	gcagcagggg	agtgggtgg	aaacgactag	ctacaattaa	actgtaagga
27601	aaatgccaga	caaattatTT	ctctacaccc	tcaaagtTga	gcacaggttt	taaaatgcat
27661	ttaaaatgat	catgtattta	atttgcatga	ctcacaaaga	gaagagattt	aatataaca
27721	ttctagaaat	ccaaaacaga	atacaatcat	gagctatttc	ttcttaggaa	acgcgaacta
27781	ggttagaagc	tcttTgtgta	cttggcaact	ctaagtcgca	tttaatgaca	ttcttgattt
27841	tttaaaaaaa	atcacctgga	aacaaatcca	acactgcata	agctgctttg	tggtatctg
27901	ttatagcctg	tatcgagca	tttgagtTcc	ccatccccTg	catccagtgg	gaccacaRgg
27961	cccactTtga	tgcaTgatg	gagaagattc	aattttctct	gaaaccctga	aaccagcatc
28021	atcaattccc	cacccctgcc	agcctcagcc	tcctttcttt	aaaaaaaccc	ccaagcaaaa
28081	atcctcatct	cgggtcccac	tagagtcaaa	gcagacaagg	agaaagagaa	tgccaatctg
28141	tctgaagcag	agcccacatg	cactgaggag	tctcctgcct	tcttccatca	acgcacccat
28201	ctgcgTTtct	ttcactcagc	agagcggcag	cctctaaatg	tcttttccct	tgctcttctt
28261	gtctcctctg	tttttctctg	atcttcaaaa	agaaaaataa	gaaatcaatg	tactggggTc
28321	tttcagTcaa	atttatggaa	atgctctggc	ctgtcaaaac	atttcaacaa	tatttatcaa
28381	cttggaactaa	accaatagaa	gcaggtTgtt	tataaggaag	Ytgcaaatac	acaagaaagc
28441	ctatatacta	taaaaacat	gattaagcta	tctatgcaac	gcttctgtat	cctaaagctc
28501	catcccgaag	accgaatcac	acgtttgtat	acatgtacac	acactcgTtc	tctgttttga
28561	tagttatcat	cttgggagct	aatacaccaa	agccaaacta	aatctcatga	cttaactgaa
28621	gttaactag	ggactgagat	tatggggTgtg	gtggggactc	ttggcatcct	tacataactc
28681	tttttgcTtc	ctctctcttt	aggcccttta	tgTtctggat	cttgagaaat	tgTttccatt
28741	gtttcctggT	cttctgggtg	gttgctctct	ggggcctctg	ccatgctgtc	ttcattctct
28801	tgTYcagaag	cctgtTTTTc	ctccagtgtg	ccattacttt	cttcaaccaa	agcactgtct
28861	tttggctctg	aagataacat	cttggcagaa	aatgttccat	gtagaagact	gtccactttg
28921	tttcagTgga	attcataaag	accactcaga	aaagatttgg	gaaatccaaa	acatgtgttt
28981	gctgcccga	caggtcctcc	tccagggTat	agctgaataa	tggaGCCaaa	acctgaacag
29041	ataaaagaaa	caaacatctg	cccgtggagt	gactctagac	tacgtaaacc	ctcagtgaTg
29101	cctccacagT	aatgagactg	aaggTctTtc	tattagtact	ttattcagag	gctgaaggat
29161	ggTgcagctc	ctcagggagt	ctgtttggag	tctatgagta	ttaccaatgg	aggtaatata
29221	attctaaagc	agatagcagg	aaagctcaaa	gaagcttatc	cccacttgat	actattgtaa
29281	aaccctgtgt	ctgcaaattt	ggatgtcaca	tgattggTga	cKgactctgc	ttccctcac
29341	tccgatcctc	aaatggagca	gttacaagTt	cttaccttct	atggggTcag	aaaaaaacca
29401	gacaaatcag	gctgtgtTgt	attcttccag	agagaataca	tgcttagtaa	tcttccact
29461	caatcccttc	aatttaggcc	caatgaaatg	agcaccagct	acccaggagt	ttactaaaa
29521	cactgtccc	aaagccctag	ccagccacag	gctccagcat	catgccact	gacagtgaag
29581	ctagaaagga	caattgccat	gggtttgggg	gtacccatgg	gtggggggct	gggtgatgga
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29701	accctgaagt	aattcaattt	ggctttccat	gagTttacat	ttttggacca	cctttactca
29761	catcagggTg	gggtttTgtt	gaaaaTggaa	atattaaatc	ttacctccca	ttcgttccat
29821	cattgcaccc	agcaccagc	ctgcacagT	ttccatcaca	atcattttgt	tgccagcacg
29881	gatatttccc	aacgtcaaca	tctgggctag	tgtatcgtat	ctcatgtggc	taaagtaaaa
29941	acaataatTT	gttcatTTTT	agctaagtaa	agcctattat	tttaatcatc	atTTttcaag
30001	ttttgtttgc	tttattaaaa	ttgtgttgat	aagattattg	attgcttttg	aggTgacagt
30061	aaaaggactt	acaattttatg	aggtaggagg	atactttatg	caggtgagca	agctttttca
30121	ttttacttaa	aatcatgact	ttcttaaaga	catatttccc	ccaattatac	ttttgaaagg
30181	aaacaaagcg	tacttaattt	ttccaggttc	tcttgcataa	tacataattg	aaagaatacg
30241	ggTggatggc	ttcacaacag	taatgatggc	ttcatatctg	ggggaagaaa	aaacagaacg
30301	ctgatttaaa	aaaatgactt	aaaatTTTTt	atttgtaata	aaatgtatat	tttataaaca
30361	tataagaagt	ttaattttgt	gggcattTTta	aaataaaaa	tacttacttt	tttttctctc
30421	ttttaataata	tttatctTgg	gcaaattctg	tcttgtctcg	gaatgttgta	ctattttcaa
30481	ttactgtctg	aactatttcc	tataagaaaa	ggagcaagta	gattttctga	aactttactt
30541	tcacaaaaca	agtaatttcc	aaaggcttct	tacccaagaa	tggtatcca	ggtctgattc

FIGURE 3-I

30601	tccaatccct	ttccacaga	agtccaaata	gatgaacttt	atattttctat	actctatttg
30661	gaattttataa	taaaaatacaa	gtactttata	actccactta	aaccaacgta	aaagaacaga
30721	gatatccaac	aaaaggagaa	gagaggtaaa	ggaaactaat	ttctgaagac	actggctgaa
30781	aacattactg	aaaatgaaca	aagttaaatc	ctgatatgSa	ctgttattac	attctctacc
30841	actgacatta	gtaatgtcat	tcacttatat	tcctgtatat	aagacataaa	atctttgaaa
30901	tggtgagtaa	catgtacatt	tcaacctatt	tctatcaaag	ctataacggt	atTTTTTgt
30961	tttaccttag	gtacagtctg	ctttaaaaaac	ccaacagttt	cctaaatgcc	aaacagacaa
31021	aaacaaaact	aaaaatcctt	tgaatattac	ctctccttta	atgcccttgt	ccttcaaagc
31081	ttttatgtca	tcttgagtaa	gtttctgaga	tttcccatca	tcaactatat	ttcgattatc
31141	agtggccgct	tctttagtct	ctaaggaaag	aaattgctct	attgacattt	atgggtctgaa
31201	attatttgac	actttctttt	tctgagtcca	tatccacatc	cagtccatca	gccactcaag
31261	tctggcctcc	cagctgcact	gcccccatca	cactatcctt	tccctgccaaa	actactccaa
31321	gcctctaagt	catcttcctg	ctcccagtct	tgccccctta	ctatccacct	ggatgccaga
31381	gtgctctttg	tttaaagtca	atttgactca	tctaccccat	gcttaaaacc	atacagtggc
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31621	ctctgcctgg	aaggttctac	gacagatgtc	tgagtggctg	gatcctttct	atcacttgag
31681	gctgagctca	ttctcttgct	ttaccaaatt	agtacacgcc	cctgctttat	tatcttcata
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31861	gcgccaaatt	atacctggca	tatatgttgg	gcttagtaaa	aatatggata	ttaatttaaa
31921	tgtatctaaa	taacaggttt	gactcaaaac	tttaaYagta	tttaacttca	aataattact
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32041	aataacagct	tttggacaag	aggttgttaa	gaaataataa	tagtaatagc	taaaattatg
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32161	caatacaacc	taggcattaa	atgtgtttat	gacctatttt	tacatatata	aggatatag
32221	actcacagaa	atcaaataag	ttgcccaacg	gtacaaggca	agtgatgaag	gtagaaattg
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32461	ggagccagaa	tccaggttat	ctcatggcca	aaggcagtac	ttgcttcact	ccactgagct
32521	gcagttctta	gattatgagt	taagatttct	tttgggatag	catggcctag	cacttgggaa
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32821	tccagtacag	aaaagacatg	ttcactacag	tttattttcaa	aagtgggtctc	cacaatggaK
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33241	aatSetttct	tctcaaaaga	aaactaacat	ctgctgagtg	ccaaccaggg	gctaggcagt
33301	gtgtgcgagg	tgtgattcac	actttttgat	tttaattctca	cggtaatcct	gggacatagc
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33421	caaggtgttg	ttggagctgg	gattcaaatt	caaactctgtg	tctgacccca	agcctcattc
33481	tttccactat	accacacggt	ctactccagc	aaagacctaa	ggacggtaga	aagcccacct
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33601	attctgattg	tgcccatcc	cactccttct	cttcttttct	ctgtgccacc	aggaaactga
33661	ttacgcagaa	ataactgcc	acatcaccct	cgctcccgtg	tcagaggctt	accaccattg
33721	ctgggtctctg	ggtgtgtcac	ctttatttgt	ttccctaaatc	ggccacactt	ttgagtcaca
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33841	gataYggcca	attcttggtta	tttgctgggt	ccctagatac	ttacatacaa	cagaatgtaa
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33961	agatgtgcac	cccctatcct	catcctttta	tcacctaggt	gctttgaaac	actggatctg
34021	gccaggtgtg	gtgggtcaca	cttgtaatcc	cagaactgtg	ggaggccagg	tgggtcactt
34081	gagtccagga	gtttgagacc	agcctggctg	acggggaaaa	actccgtctc	tacaaaaaat
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34201	gcaggagggt	cacttgaatt	caggagtttc	tctacaaaaa	gtacacaaat	tagttactga
34261	ggaggctgag	gYggaagatt	gcttgagccc	aagaggcagt	ggttgcagtg	agccaagttc
34321	acgccactac	actctagcct	gggggaccga	gtgagatccc	gtctcacaaa	acaaacaaac
34381	agacaaacca	aacaaaaaca	ctggatctga	gatgggtggg	tttacctctc	tgagagccta

FIGURE 3-J

34441	tgtgatatgc	agaggggatg	atgcgtgtca	cttaaaactg	gctgggttga	caggtcactg
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34561	ggagtaggat	ttgcagagtc	tacttctcag	agagcctgga	ctgttttttg	cccaatcaga
34621	tgagtgtagc	cccaaggggtg	atgagggagt	ctgacctggg	atgcagctga	gctgagagag
34681	tcatttccta	aataaaatgg	aaactgccac	tatgacttct	gcgaagaaga	gggcctgttg
34741	aaaagtattt	caaataaat	gtttagggca	gtggtctcca	acccttttgg	caccacaaaa
34801	ggggaaggtc	aactactggt	catgcctgta	atcccagcac	tttgggaggc	tgaggtggcc
34861	ggaattactt	gagcccagga	attgggagact	agcctagaca	acatagtga	actctgtctc
34921	tgcaaaaaaa	Rttaattagt	ttaaaaaaga	aaaaaaagaa	gaatttaaaa	atggttaaag
34981	gttggtgcag	gtattacatt	tccggactaa	aagaaacata	cccctcataa	aagaaacttt
35041	ttatctttac	ttaattagt	cttgtgcaaa	aagcttggtt	atcaccagct	tagtgctctg
35101	gagacttggt	tcttgactat	tttatgatgc	ttgcttcacc	ttaaatacca	gtcaacagtt
35161	tgcttaaacc	aggagtaaaa	gaattcatct	gaagtaagta	cttatcagaa	attccaaatc
35221	tcatacttcc	cagtctgcag	aaagctgttc	tcctgacatt	gcattcaact	tatctctgtc
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35461	gattagccga	gtgtgatggt	gccagagtcc	cagccactag	ggaggctgag	gcaggagaat
35521	cgcttgaacc	tcggaggcag	aggctgcaat	gagccgagat	tgcaactactg	ccctaaagcc
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35701	ctcaccagcc	cttcagaaaa	gttatcaaaa	tcccacttct	ttacttctat	aaacacagagc
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35881	aagtgattcc	acactctgtg	gtgaattgtc	tccttcatct	attctgtgta	tcctgcttgg
35941	gtagagaaga	g gatagaaag	ccagactagg	taggagacgt	ttcatttttt	gtgggataga
36001	tcctgactgg	gggattaggg	aagaaggagg	atctatggtg	gaaaaaaaag	ggaaacctga
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36481	aagggtgggg	cgggagaccc	ctaaaatcag	cgatctgact	tactttctcc	gctggacttg
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36721	cacttcccac	aacctggcgc	actaggagcc	ctccgaccgg	caccgcccc	acgtgttgca
36781	cgccgcttcc	gctttccggc	ccagacctca	agaccgcttc	cggaagcctc	tcggcttccg
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36961	cttgaggcat	ttttgcggcg	ctgtgcgcta	cagacacctt	ctggaagctg	cgggtgggaa
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37081	agctgcggct	gaagagaact	gcggacttgg	caggagtgcg	ctgaggagct	aagatcccgg
37141	agactcttag	ccccgtgggtg	cttctctacg	ggagggaggg	agggagaatc	cggccggaca
37201	gatctgcgcg	tatcctggag	cggcccgagt	tgtgaactag	gagagctttg	ggacctctgt
37261	cccaagcaag	taagaacttt	agccttagga	gatgtaaata	aagtagtatt	tgaagaagca
37321	caggtaacca	actgtttctt	tttactcttt	ctccagtcct	acttcttaac	gtttttttga
37381	atttgttact	gttctcagca	tattgtctcg	tttgagaagg	gtatggcacg	cagcgttggt
37441	gaaggagcgc	ctcagcttgg	gaggctgaaa	gttttatctc	tgtactgtcg	acaaacaact
37501	ttgatcttga	tcggtttgct	taatttcttt	gagcatcagt	ttcataatgt	gtaatgccta
37561	attattggag	ccctgtcatg	ccgttaaata	gtgaactttc	tagttactat	cttgttttat
37621	taactaaacc	ccttttaagt	aaggatttgg	gtagagtatt	tgataatgaa	ttgactgca
37681	gcgtacaggt	atatctttat	ttacttgtat	acttaggata	tgaatcattt	ttaagtagac
37741	gtgtatttta	taagaacagt	tttgatttta	cagaaaaact	gcacaaaaaR	tggatgtgac
37801	actgcaggat	tgactgtatg	taagaagcta	tgatgatgta	tccctagtgt	ctcacaggcc
37861	agaattatgt	tcatcctgtc	ctgccctata	ataagaagtc	tcaaatactg	caaataagtt
37921	ttcatagagt	taattacctg	tcctattttc	atttctgtaa	tggggacttg	taaacaggta
37981	cagttaactgt	ccttattttt	aacctgtgag	cgtctagtat	acgtaaaacca	tatttaatat
38041	ttattacaact	attatggtat	accttaaaaa	gcgatagaga	ttagaaaactt	aactgcagaa
38101	tatttgggtc	ttgtatcata	cgtgtacaac	tttgcaagcc	tgtttgctac	tcttgaacct
38161	agaatacatt	aatttttccc	tttttattaa	tacattttta	agagcactat	tttctttaca
38221	gttttgggtga	agaccttttt	aatatctatc	ttttaggaga	gatgaatgga	gagtatagag

FIGURE 3-K

38281	gcagaggatt	tggacgagga	agattttcaaa	gctggaaaaag	gggaagaggt	ggtgggaact
38341	tctcagggaaa	atggagagaa	agagaacaca	gacctgatct	gagtaaaacc	acaggaaaaac
38401	gtacttcttg	taggtgaggt	caatgattgt	tcaatttttt	tactttaagg	aagcaattca
38461	cgtctatcat	acaaggcgg	ttatctcata	cttcagtttg	tcttttattt	catgctactc
38521	cttagtaagt	atttgaacat	tgatgtccca	gattttttact	aaaaccctta	atttggatac
38581	tctattaatg	agagtctcat	ttggaaaag	aagcatattg	gaaaaatgtt	cactctgttt
38641	ctactaacct	agtattttat	ttttttcaga	acaaacccca	cagtttttgc	tttcaacaaa
38701	gaccccaMag	tcaatgcagt	caacattgga	tcgattcata	ccatataaag	gctggaagct
38761	ttattttctct	gaaggtaggg	tttaaaaagt	acaaaaaagc	accataaatc	atattttctt
38821	aacttgtctt	tggatgctac	atcttgtatt	actgtaattc	atttactaac	atatacctgc
38881	tttaattctta	gttcacccaa	acaattaaat	gatgtttatg	tttcaaaagc	atttttagact
38941	ttatatcagt	caggaaagca	gaaaccatac	taggtatttc	aaaaagggga	cttaatacaa
39001	gaaattggat	acaaaaatgg	aagactgaaa	gagcagaaaag	gaaatattga	ggtaactccc
39061	cagaaagtag	taattcagga	agcagcaacc	atccttatgg	ctaagagact	aaaagaagtt
39121	ctgagggttac	cagaRtgtgg	gaattcaaaag	gttggagagg	tcacagcata	gctgttattt
39181	tgacttttga	ggggcaccct	acaaagctat	gcttggactt	ctgaaggcta	ccttacagag
39241	ctgtgcttag	accactaagg	caaatgaagc	tggttgccac	tggttaactga	gggggcatga
39301	ctcagtggtg	cttggaaactg	gaggctagca	ctatcgttat	cttctgcagc	tcagagatg
39361	ctgaaaagag	ttggaacaa	gaataaattc	ctttctcttc	ctgccacctt	cccgctcta
39421	aagtgccttc	aattggcaga	atttaaagag	aatctgagac	atgtagggta	cagatctgaa
39481	ttatagcatc	gcagagcagg	aagtagaaca	gtgggcctga	aatcaaggga	caataacaaa
39541	tcagcttttg	tgtagaaaca	caggtaagga	atctcccttt	gataattagg	aataccaatt
39601	aacctacatc	agtctgtata	ggtgcaggga	actgtctttt	ttgtgctgtt	aaaataacca
39661	tttgtttctt	atgtctcatg	aggggtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgcat
39721	actttttatt	tttttttgag	atggagtctt	gctctgttgc	ccaggctgaa	gtgcagtggt
39781	gcgactcttg	ctcactgcaa	gctctgcctc	ccaggttcac	gccattctcc	tgccctagcc
39841	tcccagtag	ctgggactac	agccaccgc	caccacgccc	ggctaatttt	tctgtttttt
39901	agtagagacg	gggtttcaYc	gtgttagcta	ggatggtctt	gatctcctga	cctcgttatc
39961	cgcccgcctc	ggcctcccaa	agtgttagga	ttccagacgt	gagccaccgc	accagccgc
40021	atactttttt	tttttaggaa	aactagacgt	ttgaggtcca	ggaccctccc	tgccccatac
40081	caggcatgca	gtagtcattt	tgtgaatgaa	tagagtactt	tacaaatgtt	ttctttattg
40141	gaaatctggt	gctttttttc	catcaRtaga	atctgtttca	tgaatgatct	ttgttctctt
40201	taggatgtat	tagccaccag	cactccatt	gctcccctag	cagatagctc	agaacactat
40261	aagtgatctt	tggacagtcc	taaagatgga	gttcaagagg	tgccctagcc	ttaccatct
40321	gtgcttccaa	actactttat	tgtactgttc	ttctgtgaga	gacatatttg	aaaatgtaga
40381	acttttagat	gttaaaaaaa	aaaaggcttt	tcagttttgc	caccagggtc	aagtgttggt
40441	ctgtctcctg	atctcaggaa	agactgtgat	tgtgattgtc	ttcagctctg	tcagactaag
40501	agcttagttt	atgtgtctgg	ctttggcttt	attataattt	ttagtttaag	cttattgtct
40561	aaattatctg	aactaacatg	tcctattagg	tgtcaaagat	gcaaaacaaa	gtttcccaga
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40681	ttgttttaga	atcttaagtt	tacattctat	actagttctt	atatgaatgt	aatcaaaaaa
40741	caaagcaatt	agaaaaaaat	catctaccat	gtatatagtg	ctgcttttgt	ctcatgaaaa
40801	atgtgcatgt	acctgtgtga	ttatttgtgc	taatgccata	tttgttggt	tagtttacag
40861	cgatagctct	cctttgattg	agaagattca	agcatttgaa	aaatttttca	caaggcatat
40921	tgatttgtat	gacaaggtaa	gattcctcta	cagcaaagct	accagtcatg	tgccatctta
40981	ccaaYgtatt	cgaggtaact	gtgattatga	tcgtaggcac	tggaatcaga	cttccttggt
41041	tcagacctYa	gttctgccac	ttacctgcag	tatggacttt	gattaattac	ttctctgtgc
41101	ctcagttttc	tttcatttgg	agatagaggt	ataaatacct	acctcaaagg	attgttaaga
41161	ggcagtaata	cattaatata	tttaaaatat	cagaaccatg	cttggcacaa	agcttatact
41221	tatgtcatac	ttaccattat	cacatataaa	cattgtatgc	tttctcaaaag	tctataatag
41281	aatgctcagt	taatggtaat	tgactacaga	aaagcaatta	ttgttttcat	acttttatat
41341	tttataggat	gaaatagaaa	gaaagggaaag	tatttttggt	gatttttaag	aactgacaga
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41461	gaaaaccttg	gcttgcatgg	gtttggcaat	acatcaggta	actatttgtc	ttatgcatac
41521	ttttgtctaa	acttttttaa	tgtttgcaca	cacatgcaca	ccttgtctaa	gtttaaagga
41581	agatttttaca	gtgactgtac	tttctataag	agatacttag	cttttacgaa	aaagtgttgg
41641	ctagaactga	gaggttgacg	ttccgttctg	aaagatacca	ttcattctat	atacaccagc
41701	ttatctaaat	gaaatattta	cctccaactt	atttggattt	gcttaatctt	gctaaagatt
41761	gtgcagaaat	taaactttgc	tttcaagaaag	ttatacaatc	tcatagggaa	gataaaacaa
41821	ggaatcatgg	tgttatcggt	tatgaactta	gagcaaaaaa	gagcaacctt	agattttaggt
41881	ttgtgtggcat	gaagcaaac	actgagtgtc	cctgtatatc	aaatgtaaat	aacARtttgt
41941	actgtgcttg	cctgagtttt	ttttcagggt	caggtaatac	aacatatatg	aaaacatttt
42001	taacttttta	aattttttta	attttatttt	tattttattt	tttgagatgg	agtttcactt
42061	tgttgccagg	ctggagtgca	gtgtcatgat	ctccgctcac	tgcaacctct	gcctcccggy

FIGURE 3-L

42121	ttcaagtgat	tctcttgcc	cagcctcccg	agtggctggg	tgcaccacca	tgcccagcta
42181	agttttggag	tttttagtaga	gacggggttt	cacgatgttg	gccaggatgg	tcttgatctc
42241	ttgatcttgt	gatccgcctg	ccttggtctt	ctaaagtgt	aggattacag	gcatgagcca
42301	ccttgcccgg	ccaaaaacat	tttttaggct	agcaaacaga	tacatgcttc	aaggtaatga
42361	atagcaaatc	tcaggacagg	catacacaaa	gtgctggggc	attcagaggg	gcattcttct
42421	acctcttgcc	tgtgctgtcc	attcaacata	gaatcccctt	cccttcacat	ggacagatta
42481	tttgggccta	gctcagttgt	ctgtctgtaa	aacctttctc	atgaccactt	ttcgaaactt
42541	gcatgggtatt	ttgtctgtac	atctttatgg	tccttatgac	aattacagct	gtatatatgc
42601	atcttatttt	gcctcttagg	ttgccagcaa	actgctgtgt	acaagtggta	ttaaagtgtt
42661	gtttgttggt	tatttattta	tttattttga	aatggagttt	tgtctctgtt	gcccaggctg
42721	gagtgaatg	gtgtgatctt	gcctcattgc	agcctcagcc	tcccaagtag	ctggKattat
42781	aggcatgcac	tgccacactt	ggctaatttt	tgtattttta	gtagagatgg	ggtttcacca
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42901	aagtgtctgg	ataacagggt	tgagccactg	cgcccagcgt	gtttatatata	ttaatgttta
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43021	tggtcagtga	atatagagaa	ataggaatgc	attttttttt	ttttaattag	tatcaagagg
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43201	cactataaa	taagtagtca	taattaaata	ttagatattt	aaagggctgt	taaagttttc
43261	tgtttttatt	ctgtttctgt	ccataaaact	tatatctctt	ataaaaaatag	agttctgtat
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43621	aactcattga	aaattattca	aagacatcat	gacagatact	tcctaaataa	ggaagaaat
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44161	aatttcctag	cagttcttta	aaaagaactt	agaaaaccaa	aggtttttga	atctgtagat
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44581	ctccagcctg	gcaacagagc	gagactcgt	ctcaagaaaa	caaaaacaaa	caagaagggt
44641	ttaattcttg	tgatatttct	gatataatga	agggatgatt	tgatttgaga	attccatagt
44701	tgctcctaaa	aggaacttgt	gaaaatataa	aaaacatcaa	ttttctgttc	attacttct
44761	gttttgtctt	tagggtgtac	aactatgagc	ctttgacaca	gctcaagaat	gtcMgagcaa
44821	attactatgg	aaaatacatt	gctctaagag	ggacagtggg	tcgtgtcagt	aatataaagc
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45361	tctttacta	tttagaagtg	atgggttttt	taaatcttta	ttagccttta	ttaaactgga
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45481	tggcaaatat	taataattat	ttagcttaat	ttgtaacaaa	aatatgggta	tataaagttg
45541	aagtctttct	gttctcagtt	ttattccctt	tatttgctcc	ctagatgcaa	ccactatgct
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45661	ttttttgtat	tgtgtttacg	ttaattggat	cctgaatgta	acacgcagct	gtttttttat
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45781	gtggagtgtt	gctttaaata	aatagccaca	atztatccat	tttctgggag	gtagacaatt
45841	gtgctctttc	cagtttttta	taagaacaaa	tgatactgca	gagaacattc	ttgtacatgt
45901	ctccttagca	gaggaatact	aagttgtagg	ctgtactttt	tttttttttt	tttttttttt

FIGURE 3-M

45961	ttgagacgga	gtctcgctct	gttgcccggg	ctggagtgca	gtggcgcgat	cttggctcac
46021	cgcaacctcc	gctcctggg	ttcaagcagt	tctcctgcct	cagcctctcg	agtagctggg
46081	actacaggca	cgcgccacca	tgectggcta	atTTTTgtat	TTTTggtaga	gacaaggTTT
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46261	actttccaga	gtattgttcc	caacttaaatt	ctttgctggt	agtgttaaagt	agttaccatt
46321	tctctgtctt	ttcatttaaca	cttggtattg	ttagacttgt	acatttttga	cagtttgTTa
46381	ggataaaata	atactgcatt	tataatgtga	atTTTTctga	tttctgttgt	ggttgagcat
46441	cttttcatat	ctttactggc	cattcagttt	ctttatcgaa	ttttctatTT	atatctaattg
46501	ttcatttttcc	tgTTTTattg	tttattcttt	aatTTTTgtt	tttagagatg	gggtctcatt
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48241	gagtttgga	gaactactca	actggctagt	tctggctcca	ggcctctcat	ggagttgtag
48301	tcagatggtg	gctggagtag	agcaagggtg	ctgggggctg	gccaggcatc	ttcttctcca
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48541	taacaaagtg	agtcMcaggc	cttctcaaat	tccaggagaa	ggaattagcc	ttcatttctt
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48901	tgagccaccg	cgccccgcct	tcatttctta	atggaggagt	agcaaggttc	taaaaagtct
48961	tgaagataaaa	tattgttgca	atcatatttg	gcaaatacag	tctgccacag	tctgaattta
49021	taaatgcttc	ttgagatcca	aacaccaaac	aagtgcctgt	gtggcataat	aagtattaca
49081	ctctacagaa	agtgcaaaag	gagcctagat	gagaaagctg	gggattaaag	aaaactctgg
49141	aaagcctttt	gaaaaggaga	ggattggcat	tgggcatgtg	ggacagaatg	agaggggtgt
49201	tgaaggagcg	agaggtggca	tgggcacaga	ggaagcaata	agtgtcttRt	gtgggaggca
49261	agcaaaagcac	ctgcataacc	catagcagga	taMgaacagt	aagtgagaag	gatcaattgg
49321	aaagtgcctc	aaaagctgtc	gatattaaat	tgttgcagga	ggaaatagaa	agtcattaat
49381	ctctcagtgg	atTTTacttt	actagcatcc	tgagaccaac	ttttaaaaca	atattaaatg
49441	aaatgtttta	actgaatttt	cctgaggtgt	gattatagtt	tatcaaaatc	tgaatgtgaa
49501	ttacttttgt	ttcattcagt	gtcctgtgcc	tgtgtgtcga	ggcagggtcat	ttactgtctt
49561	ccgcagctct	cctctcacag	ttacagtgga	ctggcagtca	atcaagtaa	cgatcagact
49621	gttacataaaa	aggcaggctt	tagatgtcac	actgttgaga	aaatccataa	ttttactgta
49681	ttatattgta	cgttttatct	aaatgacaaa	gtgtataata	gtgtataata	gatgggtttat
49741	ttgatgaaga	gtttgtatgt	taaaaataatt	cttttttttt	tttttttttt	ttgagacgga

FIGURE 3-N

49801	gtcttgcctc	gtcaccacag	ctgcagtgca	gtggcgcgat	cttggctcac	tgcaagctct
49861	ccctctgggt	tcatgccact	ctcctgcctc	agcctcctga	gtagctggga	ctacaggcgc
49921	ccaccacaat	gcctggctaa	tttttttgta	tttttagtag	aggttttagtt	tagagggtttc
49981	accgtgttag	ccaggatggt	cttgatttcc	tgacctcgtg	atctgcccgc	ctcagcctcc
50041	caaagtgcgt	ggattacagg	cgtgagccac	cgctcctagc	ctaattgtct	ttatttgaaa
50101	tttattctct	gtcagattcc	agaaaggatt	cattatgcaa	atattgtgtc	ctaataagaa
50161	atagttgatt	ttatatctca	attatgtgat	taattgaact	ggatataggc	cataagcaaa
50221	gctgtgtgct	tcattccata	ttgagctgtg	atagaaataa	tattgttttg	aagttttcaa
50281	ataaagactc	cctttgaaat	ggcatgtttc	attttatgtt	ctcaatgttg	caatggggca
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50401	tgtgtatgtg	ttttcatcc	cataattgat	tacatttttt	ctagctgtag	atctatagct
50461	catccctaaa	tataaaataa	tgaatgtttt	tgaagtcagt	gctctctagc	aaacctggct
50521	gaaatgagat	ggtcctaaga	actaagaacc	tagggaaaag	ataagatgat	ctgctgctaa
50581	ctgcttcacc	cccttcttcc	ctgaaaaatt	aagaccaaca	tatataataa	ttaattgtac
50641	tatagtgaga	tctttacaaa	caccccattt	tataaaagag	gaaatgggta	agactcttga
50701	gtatgatcgt	gtggcctatg	agtatggtag	agcctgattt	ccaacctagt	ctgtgggact
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51121	ttttaaaaaa	tcaatcagtg	tggaaaggca	cagtcccccac	aacttgctgt	tacattatac
51181	ataacttttag	ataccattct	tgtgtcttcc	atccttcgct	ttactgcagt	cattctatgt
51241	gagctgagga	cattagaaac	atacttgttc	ttttatcttc	tagactttct	ccgttccgac
51301	tttactttta	attgtcaagg	tttacctttt	gtcttctaatt	tataattgtc	tccagaggtt
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51421	aaatgcccga	tatggcattc	cccgggataa	ataatatgag	cttctgactt	ctccctccat
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51541	tttactcccc	cttagcaaaa	aacctagcac	atgcacaagc	ctctgtggat	ctgaccattct
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51661	ataaaaacctc	cagctttgtc	ccaatatcaa	acaccccttt	tcgtctggta	agtccttatt
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52261	aggtaaaaag	ttctaagccc	ttgcatgtct	gaaaatgtct	ttatttggtt	cttagtctgg
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52381	ggtctgggtc	tcattctgatt	ctcattcctt	tgaggactgg	acttttccct	ctctttgtaa
52441	ccattttatc	tatcatgctg	tgaacacagt	aaagtgtatc	tagttgtctc	tatcctgctt
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52621	ctgttttcta	gatttctttg	gcttttctt	atatcttctc	tataaatgct	tgatttttat
52681	atacatgctt	taaattttct	tgattttgta	cttgtttccc	cattgttccc	tttttgtagt
52741	ggcttattcc	tgttttatca	tggcaatatt	ttctcaaaac	tcttaggcag	tttgttttta
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52861	tgaagtaggt	aggataggtt	tcctttgcaa	tttttttaggt	agtagttttt	tctcacaaga
52921	ctttacctct	aaatacaaa	atagggtttt	gggctatcag	attttgcttt	atgaatgtgt
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53221	tttcttccag	ccatctactc	ctgctctcta	ttcctgccac	atccaacttg	gaagcttctc
53281	tggtgctctg	ctaagaacgt	tgggtcccac	tttgcttgta	cgcttatagc	ttttgcccac
53341	tggtattctg	gactttattt	tgttttatcc	atcaataactt	taccatttgc	tggtttcaaa
53401	aatctcatta	atatctcatt	tgtgtgatgt	acctctacat	acccccaaat	tttttagtgac
53461	tcattttggt	ggacattttg	gagggaggct	aggcaaatat	atatgttcat	ttggctatct
53521	tgaattggaa	actgctgaag	taattttaga	tataaccatta	aactgttaat	aagcaaatct
53581	gcttttatct	tcctcagcat	catgtgaacc	ctgaatagtt	aatatcttgc	agaaaccatc

FIGURE 3-O

53641	caaagtaagt	attctaactg	aaaactat	aaacttttta	gaatccagga	attgatgtct
53701	gatgatcaga	gagaagcagg	tcggattcca	cgaacaatag	aatgtgagct	tgttcatgat
53761	cttgtggata	gctgtgtccc	gggagacaca	gtgactatta	ctggaattgt	caaagtctca
53821	aatgcggaag	aaggtagggg	acaactcttt	tcattat	tctctcaata	atgattcatc
53881	aacgttcatc	ttttctaaga	tgctcctgaa	cctcaaataa	tttgaggaat	ttcttgttgc
53941	ttacataaga	tgaacattc	ccttttaaaa	aaacatgtat	ttgtagctcc	ctatgacttt
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54061	acttttaatt	tacaggttct	cgaaataaga	atgacaagtg	tatgttcctt	ttgtatattg
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56521	cagtagaagt	ttatgtttta	gttttaggttc	cttcagaagc	aatgatttgg	atcaacatag
56581	tttacttggg	agggtattct	ggagttactg	gtagggaat	gatggcagcc	agtgtaggtg
56641	ccttaacgaa	caggtgaccc	actagcatct	gggacataat	cctcctgggc	cagtggaaaa
56701	ctccactgtg	gaaagccagc	ttcagtat	ttccatttaa	gggcctacat	ttgggactgc
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56941	tatatataaa	gggaataaag	actcatgttt	tactcctgat	ttctctctcc	acctattttt
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57121	cagagctcac	tgtagcttca	aactcctggc	cttaagttaa	tctcccacct	cagcctcaca
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57241	tagatattcg	ggtctcactt	tgttgccacag	gctagttttg	aacttttggg	ctgaagcagt
57301	tcttccacct	tggcctccca	gagtgcttgc	tgggattaca	ggcatgaacc	tgtaaaccaa
57361	aaataaaatt	ccaaggcccc	ccaccatttt	aaacagactt	ccttctcagc	cagggctctt
57421	aagatttaac	ctgaaagact	gattcaggcc	acaaagggaa	gtgggggtca	gacatgcctt

FIGURE 3-P

57481	attatacctc	tctggcatta	acatcaacac	agattttaag	tctaataaga	aacattttac
57541	agcctgttct	ctctgaaacc	tgttaKccaa	agcttcatct	gcatgataaa	actttgggtct
57601	ctacaacctc	ttgcatccca	aacattccctt	tctattgatc	ccagggtcttt	agacaaactc
57661	aaccaattgt	caaccagaaa	atgttttagat	ttacctgtag	gctggaagcc	catgctttga
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59761	agaatagttc	aggggagtta	aagcagggtc	acctattctc	cctcatacaa	gtacataaac
59821	actgtatttg	gctttaagaa	cagtcctgta	aagggtgtgg	atctgtctgt	atatatctcc
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60961	atcttgtcat	tacattataa	acccactgtc	cttcatatct	gagtcacctc	ttattgcctg
61021	tggttgagt	ttaaaccagt	catttttaatt	cctagatatt	attataaatt	catagatat
61081	tcatctatgt	ttggttcctt	ttggccatct	ggggctactt	tttaaaaaat	aaatctgtgt
61141	ctgagacctc	gctacaatgt	agcctgacaa	cagaggctca	gggtaccctc	tacaggtgaa
61201	acaaagctca	tcatgaacag	gaatctgggt	gcagtggctt	acgcctgtaa	tcctaact
61261	ttggggaggcc	aagtcggaag	gattacttga	ggcctggagt	tcaagaccag	cctgtgcaac

FIGURE 3-Q

61321	aaagtggagac	cctatctcta	caaaaaagaa	aacaattagc	tgggcatggt	ggcgacaccc
61381	tgtagtccct	gctactccgg	aggctgcagc	aggatgattg	cttgagccta	gaagttggag
61441	aatgcaggga	gccatcggtt	tgcaactgta	ccccagcctg	ggcaatagag	caagaccctg
61501	tctttaaaaa	aaaaaaaaaa	gaaaacatta	tgttttagaat	atgtaggaaa	agatgcaagt
61561	ggggatctga	attgtttacag	ctttcttttc	tgtcttttgt	gtggtatacc	tgttcgtgtg
61621	tgtaactttg	gaattagtga	attataggtg	ggagcctggt	ttaaccccta	gagtgtctta
61681	tctgtacaaa	tctcataatt	tatacatact	gcttgcaagta	tataaaactt	cctttttttg
61741	ctcttttttt	tttttttttt	gagtcggagt	ctcgctctgc	cgccagggtt	ggagtgcagt
61801	ggcatgatct	tggctcactg	caagctccgc	ctcccgggtt	cacgccattc	tcctgcctca
61861	gcgtcccaag	tagctgggac	tacaggcgcc	caccaccacg	cccggctaatt	tttttgtatt
61921	tttagtagag	acggggtttc	accatgttag	cgaggagggt	ctccatctcc	tgacctgtg
61981	atccgcccgc	ctcagcctcc	caaagtgcgt	ggattacagg	catgagccac	cacgctggc
62041	cttttttttt	ttttaataaa	tgtttcttgg	cagatagttg	ttctaaaatg	tgccagtgg
62101	tattgaaagt	gttaatacca	agaagttaca	ttggcagttt	ttcttgtttt	cagacctgga
62161	ataatgcctt	tggctcaatt	taaaaataga	atctgtaatg	ttagtggaaa	ttaaacatcc
62221	tgaatagagt	atggcatgta	agccacacta	agccagggtt	tttaaaaacg	agactaacag
62281	gctgggtgca	gtggctcatg	cctgtaattc	caacactttg	gcaggccaag	gcaggaggac
62341	caagctggac	aatatagtga	gatcccactc	ctaaaaacaa	ttttaaaaaa	aattaggtgt
62401	ggtggcatgt	gcctatagtc	ccagctactc	aggaggctga	agtgggagaa	tcacttgagc
62461	ctagaagttt	tagaccagcc	tgggcaacat	agtgagacct	tgtttcttac	agaaaattaa
62521	ttagccagtc	atggtggcat	gctcctatag	tccagctac	tagggaagct	gaggttgttg
62581	taaccatgcg	agttatagag	aaacgccaca	ctttgagaca	aattaaagag	tcctttatta
62641	gccagcgacc	cagagacagc	tcacgcccaa	aattctctca	gccccgagga	aggggctagt
62701	tttgttttta	taccatggtc	taaataggga	ggggggattt	tagctgaagc	aatttttaca
62761	gaagcagaac	tggcagaaa	ttaaaaaaat	taattgggta	caaatgcagt	tacaaaaaaa
62821	taaacagttc	caggtaccgg	ggcttaaaat	atcacaaaga	gataaatgta	ggggttttgg
62881	gtcccatgca	ctgcgcgtgc	ccccagagc	tgctgggtga	actcgctca	gcactctatc
62941	aacaggtgca	ttcctggacg	tgctttgagt	cagttttaca	ctagctatgc	ctggagggag
63001	gtgaaagggt	ttacaagtga	agaagctaaa	atggagtctg	tccggctctc	tctctgctag
63061	gagagagtca	ctcgggttaa	aacaaggtag	gatatcacaa	ggtgggatga	tcacttgagc
63121	ccaggagttc	aaggttgctg	tgagctagga	ttgtgccact	gcactccagc	ctggacgaca
63181	gtgtaggacc	ctgcctcaaa	aataataaat	ataacaaaac	aaattaaaaa	ttaggctaac
63241	accaactggt	atgaaccatt	tactttatat	ttttgtgttt	tcttcttacc	acctagtaaa
63301	ccatcatact	ctgtgtgtta	taaggtttct	cagaaagact	atataagtaa	caaaaataat
63361	gataattact	atttatttgag	ccagcagcat	aggataacag	tgggtgtttg	agatgtgaat
63421	actgtccctt	agaattgggc	agtgcactgc	catacacggc	agttttacat	tgggcctta
63481	tgtgccagggt	accaaattaa	atgcctttca	tacatgattt	cattttattgt	tcaggggcaat
63541	gctgtgataa	aacataagga	agctgaggct	cagagaggct	tgagagYcac	acagctgggtg
63601	catgggtggag	ccacgattta	aacaggctctg	tctgactcca	gagagctatg	cttttaactc
63661	ttgtgctggt	tacttttctg	gcctgttata	gcattgtttgc	tcagaagggtg	agcatgtatt
63721	aagtcacttt	attacctgat	gttttaaaga	gcatttgaac	cttcaaaaatt	aaaattggta
63781	ctcatgtttt	tgcttttcga	acttgaaaat	gaagcataaa	ttggaattgt	gttgagtatt
63841	tatatgacca	cagacttcag	aatctgactg	cctgggtttg	attgaatcct	gactttccac
63901	cttgatagct	gtgtagtcc	tcattcactc	tttggtggcc	ttgggtttga	catcagtaaa
63961	tcaggatata	ataatacctt	tctctgctgg	tgatgggtgca	ccttgtagac	taaagctctt
64021	aaaagaatac	ctagcatata	cctaacgttt	gtgagcaact	gctgttagct	attacttccc
64081	ttttactttg	gatgattctc	ttaaactttt	tgtttcctta	ggcagcgtgc	aatgttgccc
64141	cacgtggcgt	gtatgtttgt	ggtaacacca	cgaccacctc	tggctctgacg	gtaactcttt
64201	caaaagatag	ttcctctgga	gattttgctt	tgggaagctgg	tgccctggta	cttggtgatc
64261	aaggtgagag	gccaaaggga	ataattagtg	attctgggac	tttttgaaaa	gccttttcct
64321	tttcagttaa	tttctttaca	ttctgtttaa	gagaaacatt	tagatagcaa	agtcctaacc
64381	agtaagtga	cactgtcaga	aataatcatt	ggaaatgcag	tatcatcatt	tttatactac
64441	agaattggaa	ctgtacttaa	tgtcattcat	tttcagaatc	ttatagccga	tacaagtata
64501	tgtaaaaatc	aaataaatat	gtgtagctcc	ctgaacttcc	catttcatac	cacctatcaY
64561	atthtgtgatc	atthtthttta	aaagctggtt	ttgaagcttt	gtagtaagct	ccctgtatgg
64621	tgggattttg	atgtcttggtg	gactgccattg	ttcccattgc	ctagtacata	ggggcacagt
64681	aaatacttat	tgaatgcgtt	actatgattt	agctctaaat	agtttggaag	ccttggcact
64741	gacaaaaagg	tggatgtcat	cctttgctca	cagaggactt	gcaataggag	attacagggtg
64801	ttactttcga	tgthtthtttc	ttthtatgag	acagagtctt	gctctgtcac	ccaggctgga
64861	gtgcagtggt	gcagctctcag	cttctgtcaa	cctctgcctt	ccagggttcaa	gccattctcg
64921	tgccctcctga	gtagctggga	ttacaggtgt	gcgtgaccac	atccagctaa	ttttgttatt
64981	tttagtagag	acggggtttt	accatgttgg	ccaggctgggt	cttgaactcc	tggcctcaag
65041	tgatccaccc	accacacctc	ccaaagtgtc	gagattacag	gctacaggcg	tgagccacca
65101	cacctggcct	acttcagaat	gaatagtttt	gccgtattgt	aactgaactc	attgggtttt

FIGURE 3-R

65161	tttcaggatt	tgagtgcacag	gtggtaagaa	gtccaggcat	agggcccgagc	aagaagaaac
65221	ctctacattg	ggctttgtca	cctaagtttc	tctttgtgat	gccttcacct	tattgggaaa
65281	acatgtttcc	atgcatgtgt	caggcagtg	ccagattcca	gtccagttaa	ggtcgttcat
65341	tccttctggt	ttgccagtg	cttccatatt	ctgaaccag	gacctggtag	ccacatttga
65401	cacagttaat	cactccctcc	tccttgagac	cSttgaaact	ctcattgggt	tccaggccac
65461	tttacttcat	tctttacttc	tttctcagtc	gtttactggt	tcttcatctc	cacaacctct
65521	tacctgttgt	taactaagg	gcttagttct	tggacctttt	gtcttctggg	tctgtattta
65581	ccttcttggt	gatcttgtat	cgtttcattg	gctttaccta	cctatccgtg	aaaaattcta
65641	aattttataat	ctcgtttccc	ttaaataatca	ggcacatact	tcttattgtc	tacacagtat
65701	ctccacaaat	ttctcaaact	taacatgtct	aaaattaaaa	tcctgatttt	gcctttcaaa
65761	tctattttca	cagtcttctt	catctcagta	aatgacaact	ctcattataa	ttgtcctaat
65821	cagaaaacac	ggagccatcc	ttgacttttt	ctcatacccc	acattaatct	gtcagcaaat
65881	cttggttggt	gtaccatcaa	aataatctct	ctatctaacc	acttcttcat	taccctgggtc
65941	catggcacca	tcattgtctca	catggattat	tactgtaatc	tcctaattgg	catgcctgta
66001	accacgcttg	ccccttccct	ttgtttttta	tacagtaatc	tcattaaaaa	ttagattgtg
66061	ttactcttgc	tcataaccct	ccagtaactg	cccgtctcgc	tcagagtga	agccaaagtc
66121	ttgagagtgg	cccagggcca	ttcatgttct	ggcctttcac	ctcttttgcc	tccttatctg
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66421	ccttgcccct	gctgcacctt	agcagacctt	attttccctta	ccctaactcta	ctttttccct
66481	ccatagcact	ttttaccttc	tatatgtttt	acttttttat	tgcttgacc	ccctattggc
66541	tgagtagaac	ataagcttcc	aagagcagg	aattttgtct	tttcagtgcc	atactcggca
66601	ttcctagaac	atagtactgg	tatatagaag	gcattcagtt	tattgaattt	ataaatttat
66661	tgcatttata	tctagtaaat	atttgcgtga	taaataaata	ccaaaacat	gtatctcggt
66721	attatatagc	tcatacaga	tgagaataatc	tttgctaagt	taccaggtaa	aataatagtaa
66781	taaaaagatg	atactcatga	aacctatgca	cttcattaac	tagaagtaga	aggtgatttg
66841	gagggttttt	aaaaaaattt	taatgccagc	actttgggag	gccgaggcag	gcagagcact
66901	tgagaccagg	agtttgagac	cagcctggcc	aacatggcaa	aaccctgtct	ctactaaaaa
66961	tacaaaaatt	agttgggtga	ggtggcgcat	gcctgtaatc	cctgtgctc	aggtggctga
67021	ggcacaagaa	tcgcttgaa	caaggagatg	gaggtttag	tgagacatga	tggtgccact
67081	gtactccagc	ctgggtaaca	gaacgaaact	ctgtctctca	aaaaaaaaaa	aaaaaaaaagt
67141	tcaaagttta	tgttttatgc	tttaaaaaca	ggggtcatta	aactttgggtc	cataggtcaa
67201	accagccaac	agtgtgtttt	agtacagtcc	acaagctaaa	actggcttat	atatttttta
67261	aagattgtaa	aggacaaaca	aacaaaacga	aaagcccaag	aatatgtaag	gttgtgcata
67321	gcctgtgaaa	cttaaaaatat	atacttctgc	acatttgca	aaaaggctta	ccagctcctg
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67561	accactgcta	ggatcttagc	acaggcagg	aaggctcact	atgtcccaga	gtccacatt
67621	gaacagcagg	aacaggctaa	tgcactggga	tcccctgcc	tgaatatggg	acacattccc
67681	aacagagggg	ggtgaactct	cagaagagat	cagcaagaaa	ggtggcacia	agttcaacaa
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67921	gagacagcat	agcagctgtg	aagaaataac	gtaggaagaa	agaaagacat	ttaatatgcc
67981	cagtaaaaga	cctcactgta	gacaaaatta	taatctaagg	aacaaatgaa	aatttcccat
68041	gagtgtttca	tgtttgataa	gaacattaat	gaaatagctc	aaaacaaaaa	gataaggcta
68101	tgagagacaa	attgatgact	aacaatgtta	ttaaactaat	atataaaatt	gacactgctg
68161	aatgagaaat	tataaagagg	aaaggcttga	gataattgca	gtgaatgcaa	aagaacaaag
68221	cttaatacaa	ttagagggga	agtaacagag	atagagaaca	aaggaaattc	aacataattg
68281	gttccatgaa	gtagaaaacc	caaacatgaa	accagaaatg	gattcaagga	tagaagaaaa
68341	tctgttgaaa	taaactaaag	gcactgtatg	tgccagggaat	gtcatgtcta	ttgcacaagt
68401	tattggggac	tctctaacat	tagtttacaa	tatttgtctt	ccctgctccc	cataccagtt
68461	agggttagcag	ctggggatca	aaaagactaa	tcagcagttta	ttttccatat	actcctctgt
68521	gctagtaagg	cttacttagg	tatagagtag	atacggaggg	gtttaaccac	agcaaaagccc
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68641	acgaggtaat	gttagagaa	ctccaataac	ttatgcaata	gacatgacat	tcctgggtaca
68701	tacagtgcct	ttagttagtg	gtgtgtgcat	gtattatgtt	taaagagatt	aagtgtattc
68761	cctataagtg	catacaagtg	ttagtcaaat	acctgggtata	ggttttgaaa	tatacttatt
68821	aaacataata	aacttactat	atgtgtattg	aggtataact	attaaattgt	gcatgtgtgt
68881	ttgtgtgtgt	atgtaacatc	acaccatttt	gaatttaact	ccttaagcat	tttgagaatt
68941	actcttacct	cctcttcgtt	tttgtaatcc	tcacaacata	gtgctgtg	tatgaaaaat

FIGURE 3-S

69001	gctaaaggaa	gaactattac	acaaaactta	gttaaataag	acaaatgtat	taacttgctg
69061	cagaacaaac	agtaattctc	cattgtatga	cattttataa	ttttaactgc	tgaacaaaat
69121	ggaaataatt	attgtgaaac	aattttctatc	ctataaaatt	tggaaacttga	ccaaagaaaa
69181	aatgtttttt	ctgctttatt	ctacttcgat	tgtaggtatt	tgtggaatcg	atgaatttga
69241	taagatgggg	aatcaacatc	aagccttggt	ggaagccatg	gagcagcaaa	gtattagtct
69301	tgctaaggct	ggtgtggttt	gtagccttcc	tgcaagaact	tccattattg	ctgtgcaaa
69361	tccagttgga	ggacattaca	ataaaagccaa	aacagtttct	gagaatttaa	agtaagcttc
69421	ttcaaataatt	tataccttta	atgtattgaa	tcactttaat	tcaataagaa	aaagaaatag
69481	ttcacagaac	tacaggggaa	aaacatggat	atttcacaga	agttataaat	gtccaataaa
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69601	agattggcaa	acatttttaa	tattaatcat	ttttggcaaa	gtagtgtgga	aatggtttct
69661	cagtggctgg	gcgggtggct	tatgcctgta	atcccagcac	tttgggaggc	tgaagcaggt
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69781	agtaaaaaata	caaaaattag	ccaggcatga	tggcagccgc	ctgtaatctc	agctacttgg
69841	gaggctgagg	caggagaatt	gcttgaacct	gggaggtgga	ggttgacagt	agccgagatt
69901	gtgccaccac	actccagcct	gggtgacaga	gtgagacgcc	atgtcaaaaa	aaaaagaaaa
69961	agaaattggt	tctcacatac	acaattttatt	attttgtggg	accccttggt	gtgtttgatca
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70141	tgccaaacat	tggaaacacc	ttaaaactat	aataagactg	tagtgattat	gagaacgaaa
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70261	acattaaaca	acttaaatat	gtggtagtat	cctgcttttt	tcaaaaaaca	gttttatatc
70321	tgtatgtatg	ctttctcttc	taattcattc	tgtacagctt	ggacaaaatg	tgtggaaaag
70381	gaaaaatata	tttaagtgat	acaaaagtga	gaaaaagaca	aaagagtacc	tcctgaaaaa
70441	ttagagcctt	aagcctagt	gggggtggag	taatttcttg	ttgtttaata	atgtatcaat
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70561	ttaccaccac	caccaaaaaa	atcaacctac	tagtagtttt	tctttagttaa	aatgacaaaag
70621	tgctatatta	gaaaaatcag	aaagatctat	tgaacaaaaa	tccagcagac	ttggattctg
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70861	tggtttggata	tatcgaaatc	tatcgaaatc	ttgcttattt	ctttaacct	aatcttgggt
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70981	ccttttgatt	ccaatcattg	tttcttcttt	ctttcatcct	tcatagaatg	gggagtgcac
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71161	ccacagtagc	tcgtatgaat	agtcagtagc	caaataacttc	cgtacttgaa	gtagtttctg
71221	agaagccatt	atcagaaaga	ctaaaggtat	aaatgtttct	tctccttatt	cagtttggtt
71281	ctgtttgaat	gtcaaagttc	agtgtgtggc	ttattgtaga	gcagtaggat	Wcaaactttt
71341	tttttaccag	aactttttta	tatttccata	ctagagttaa	cgtaaaacttc	atctgaaata
71401	atccaagtgc	gcctggcgtg	gtggcttatg	ccggtaatcc	cagcactttg	ggaggccgag
71461	gcaggtggat	catgagggtc	agagctcag	accatcctgg	ccaacatgat	gaaccccat
71521	ctctactaaa	aatacaaaaa	ttagctgggc	atgggtgggtc	gtgtctgtaa	tcccagctac
71581	ttgggaggct	gaggcaggag	aattgcttga	acctgggagg	cggaggttgc	agttagctga
71641	gatctcacca	ctgcactcca	gcctgagtga	cagagcgaga	ctgtctcaaa	aaaaaaaaaa
71701	aaaaggaatc	taagtcagct	aagatgagac	ctacagataa	agtgtttggt	tgatttggag
71761	agtccttttag	aattgtatat	ttatctaaac	aagttattta	tttattctga	gacatagtct
71821	cactcttata	gctcaggctg	gagtgcagt	gtgtgatctt	ggctcactgc	aacctctgtc
71881	tcccgggttc	aagtgattct	cctgcctcag	tctcccaagt	agctgggact	ccaggcacgt
71941	gccaccacgc	cgggctaatt	tttgtatttt	tggtagagat	ggggttttgc	tgtgttggcc
72001	aggctagtct	tgaactcctg	acctcaggtg	atgtgtcctc	cttggcctcc	caaaagcag
72061	ggattacagg	cgtgagccac	tgcaccttgc	ctaaacaagt	tatttttagca	gaaatatttt
72121	atttgctact	tatccttggt	atcttgggcc	ttttaatcat	gcttcagggtg	gttcttgagg
72181	aaacaataga	tcccattccc	caccagctat	tgagaaagta	cattggctat	gctcggcagt
72241	atgtgtaccc	aaggctatcc	acagaagctg	ctcgagtctt	tcaagatttt	taccttgagc
72301	tccggaacaa	gagccagagg	ttaaatagct	caccaatcac	taccaggcag	ctggaactct
72361	tgattcgtct	gacagaggtt	tgtttctttt	tatggctatg	cttttttttg	cttaaaaggg
72421	aagggtgtgc	cttgacttct	cttttgaaat	attttctgca	taattgactc	cattttcctt
72481	tctatagaga	gatgttagaa	atggatggat	gaaagttttt	taaaagattt	tgtcatgtct
72541	ataacatata	caagtatagc	tacttctttc	tagtcacaga	atcaattact	tagcatgcaa
72601	gttttctttt	gttttctttt	gactcagctc	taggagactc	ctggaatatc	tgaaaagtgg
72661	ttagggttaac	taggagtagt	agaccacagt	tgagtatatg	ggaacatgga	atgtgtcagg
72721	tatcttgagt	attttatttt	tttacctgac	aggtccacaa	ggatagttcc	tgtgttttta
72781	acagcagtaa	tatctattca	cagtttgaaa	tactaagaga	actctggcag	taaaaattag

FIGURE 3-T

72841	ctagctcaga	gtttgggctt	tttgctccta	aaatctgatt	aattcttctt	tgttgtttta
72901	ccatattggg	taggtatgat	ttcctaaaa	taaaaggcaa	gggaaaacca	agtgtatttc
72961	atcatcaaat	ctcctgaaat	gatcactcag	aaatatacgt	taacaagtaa	aaatgagggt
73021	tatccttatt	ttaagtgaat	tgtaattttc	atagtcaagg	tttcacagat	tttttttggt
73081	tgtttgccct	gagtcagggt	ctccctctgt	cacctagggt	ggagttcagt	ggcatgatca
73141	agcctcattg	cagcctctcc	tcccaggctc	aagggatcct	cccacctcag	cttcccaagt
73201	agctgggact	acaggcatac	accaccgcac	ccagctaatt	tgaaaatttt	tttgtagaga
73261	caggctectca	ctttgttgct	caggctgggtc	tcgaactcct	gggctcaagt	gatcctccca
73321	cctcagcctc	ccaaagtgtc	gggWttatag	gcgtgagcca	ccacccccag	cccagagaat
73381	tactttccata	ttttgacttt	tgatgttata	accttcctcg	cctaaagggtc	agtttttgtg
73441	taaaacaagt	aaatgaagta	aagcttagac	atactatggt	aaatatattc	atctttcgtc
73501	atctgaaaa	ggtgttttct	tttaaaggca	cgagcaagggt	tggaattgag	agaggaagca
73561	accaaagaag	acgctgagga	tatagtggaa	attatgaaat	ataggtaaga	taaaaatttc
73621	aaattgtttt	aaatgaaata	ccagttatct	tcccatctca	aattaggtaa	taggccaaag
73681	ctacttttat	ttagcccatt	gggtcactta	ttttcctcct	aaacagagta	ccgtttctta
73741	gtttaaaata	tttctcactg	tgtaataaat	ctttacatta	gaaatttttt	tgaatgagta
73801	atacatttac	atagtgtctaa	aatcagttcc	aaaacctatt	ggagaagagc	tatttaccac
73861	ctactcgccc	ttcaccacga	caccatttgc	ttttccacag	tctgctgttt	atactcttct
73921	gtactgggtt	tgaattttta	caatatatcc	agagatcttt	ttttattaga	gactcttttt
73981	ttatagctag	agtattctat	tgtgtagata	tactatatag	tatatattgat	cagtccccct
74041	ttgacacata	aatatttttc	attcttgtgc	ttttaaaata	tgctacaatg	agtaagtgtc
74101	tacgtaagat	acttcatatg	tgggtaaggt	gtgcacctac	gtgataaatt	ctcagaagYg
74161	atattttctg	gttcaacagt	aaatactata	ggtttttgat	aaatattgct	aaattgtatc
74221	ctttgcatth	tacatcattt	agtagataat	gattcctaga	aggtagaaaa	gaaaaattag
74281	ttgagcatat	atgtttacct	tagacataga	tttttaaaaa	tcagtaatat	tattttgggt
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74401	aaatttccaa	gttcaaaaag	tataggtcag	gtatgggtgc	tcacacctgt	aatccccaga
74461	ctttgggagg	ccgaggcaag	tggatcacct	gaggtcagga	gttcgagacc	agtctgggca
74521	acatggtgaa	accccgctct	tactaaaaat	acaaaaaatt	agcYgggctg	ggtggctagt
74581	gcctgtaatc	tcagttactt	gggaggctga	ggcgggagat	ttgcttgaa	ctgggagggtg
74641	gaggttgacg	tgagctgaga	ttgtgccact	gtactctagc	ctgggtgaca	gagcaagact
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74761	taccccgctt	ttcctgctag	ccagtggtca	ttattagcag	ttttttgtgt	gactacatat
74821	ctatatattc	ttttttcccc	tttgtagaca	aatggtaact	ataacaacat	accatatata
74881	tgcataacct	tgtttttttc	atttaaaatg	catttttaat	atcctctgat	agcaatgaaa
74941	atacattatc	tgttaggagt	ctacttttcc	aagaccaaaa	aatatattga	agatgaaatt
75001	atctaatttt	gttaagtaat	ttctaattct	tctaaggtag	atgaattcct	ttgtctagt
75061	agctgctgat	tctgagggtt	gcgtgggtgc	agaaccaggt	ggttttgccc	agggtggtttt
75121	gcccagctat	tccccttttg	ctgtgaataa	aagtgcagca	tagctggaag	agcaagggtc
75181	ttggagttca	acctggagct	gccatggcag	gttacacact	gcttctcagt	ttcctctggt
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75301	acgaatacgg	ttctgataca	ttagagaaca	ctcagtaaac	actgtttact	atcaatagcg
75361	caagtctttt	tttttttttt	ttgagacagt	ctggctctgt	cgcccggtgt	ggagtgcagt
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75781	aaaatcaccc	ttttcaaaga	atttttatgg	tctagtcctc	agtgtctctc	atctaaattg
75841	tgcagtatgt	cttagctgca	gatccctttc	ttcttgtctt	ttcctcatag	ggagagactt
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75961	ctctctgctg	cctctagagg	tatgcagatg	ggtagaagg	cacccatgtc	acctcctgaa
76021	ggtacaagaa	tctgcaggtt	gtttcctgcc	cttagaggga	gtccatggaa	gaagagggaac
76081	ctttctcctt	aattcagttc	cagagtttgt	aagcaaccgt	gaggttctac	tggtgtctct
76141	tgaaagcttt	aaagattcta	gaattgacag	ctcttaattt	tttattgggt	gcaccaaagt
76201	aactgcctca	taataagaaa	aattaataat	tattgactcc	caaccctttg	agctaatttc
76261	taacaactta	ccttctgtgt	ctaagtatcc	tattggtagt	gcatcacaca	gtgctttttt
76321	ttttttctct	tttatttaga	cagagtctca	ctctgtcatc	caggctggag	agtacagtgg
76381	cgtgatctca	gttcaactga	acctctgcct	cctgggttca	agcgattctc	ctgcctcagc
76441	ctcctgaata	gctgggatta	caggcacctg	ccaccacgcc	cagctaattt	tttgtatttt
76501	ttggtagaga	cggtggcttc	ccaaagtgtc	caggctagtc	ttgaactcct	gacctcaggt
76561	gatctgcccc	cggtggcttc	ccaaagtgtc	gggattacag	gtgggagcca	ccgcgcctga
76621	catcacacag	tccttgacct	atcaattttc	tctctttatg	tgattcagta	ctagggtttg

FIGURE 3-U

76681	agggatcttg	tagctgaaaa	ttttaccaac	ctggccttag	tccctctcca	gttgatctca
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76801	gactttctca	tacaacttgc	tgctaggggc	atgggtgtgct	agcatatgaa	gtaaaagaat
76861	ggccacaaaa	tctagtgtgc	tgccctgactt	cttggtgggta	tggcctttcta	agagaccaga
76921	ctagagactg	acctagcaga	gatatttttt	cccattagga	aagtaagtca	caacccaacc
76981	aaaatttcag	aatttttttt	aattttaact	ttttttccta	taaaaaaaac	aaagaccaaa
77041	aataggcact	tcttatttaa	tgatgagaag	ttgcttggtg	acttacagtc	tagaatgtgt
77101	gcactctgct	ttctctgcat	cctgcacttg	aacactccac	ctttgggagt	gtggctgaga
77161	ttcccactcc	tgatttcttt	ttccttttaa	tgatctctgg	ccctctgggt	cttctgggtgc
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77281	ggggtacact	accctgctcc	ttttctctct	taacctgtaa	cattctcctc	ttgaggcttt
77341	accattgtct	aatttctgca	ggccttagac	catagacgtc	acctcaactg	tttactgttt
77401	ccccacagta	aattcactgg	tctgtggaca	cggtagatta	gttctcctat	ctgagcatca
77461	tgcttaagca	gagtaaatta	ggctatatatt	accttttcag	taaaaatgct	atattgcccc
77521	tttatgggtg	gttatacttg	gtataagatt	tctctgcatg	tctgaatact	catgttggac
77581	agtgtttgca	tgtgctttcc	tgtccaagag	gaactcttaa	gtgttgtctc	atggaactct
77641	gtatttgtac	tgcttcccag	agttgcttgg	gtggtaaaat	tgaacaagtt	tcagatcagt
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77821	tcaggaaaaa	gaaaaatagt	tgattggaat	tacctgacac	tatgttcatg	gtagagatca
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77941	cattctttcc	ttagtttatg	agagcaggga	ccttatctga	ctcattttacc	agtattattcc
78001	cagggcccgag	aatcatgcct	gtcataaagt	aggccttcag	taaatgtcct	gcactgatag
78061	taaagttgac	cttagtaatg	attcattcat	tcattaaatc	ttccatttca	gagttttcat
78121	ctcttcagct	tcgttcagtc	tttgccctta	atgtgggtttt	aaacctttta	agattacatt
78181	ttactgggga	agcYgacagt	tgaataagaa	aattctttaa	ctgtgacata	gcttgtctga
78241	gttaccagag	cacttagctg	tattttaaaa	aactaaatgc	ttatatattag	tagacagttc
78301	acataagctt	tctcctaaaa	ttgaaaacat	actaggtagc	agaagagaa	agagccacct
78361	tcaaagggtga	aagatcattg	tttttttcta	tttcaggaaa	ctagctcaaa	tattttacat
78421	agcttttttaa	aatctgaagc	agtgtagcag	attcaaactc	gagatatgcc	acttactagt
78481	tgtgtaactt	ctggcaagtc	cttttaactc	tagcataggt	tggtgcaaaa	gtagtgcag
78541	tttttgccat	aagaaaaagca	atttcaaaaa	cctctattac	tcttgccacca	acctaaatag
78601	aatgtttttt	catccgtaaa	atgggaataa	gaatagttcc	taaatcacag	gattgtctggg
78661	aggattaagt	gggtagccct	atgttaaaaca	aataataatta	agataaatgt	tacctattat
78721	tattaactga	aagcattttt	aacaactttc	tcatgagaaa	caagcatatg	ggaggttcat
78781	cttaaaaagag	attatgctgt	atttcagagg	aaaacactta	ccatcttact	gttttatcat
78841	ttttaatagt	tttatttgaa	tgactcattc	ctattttgcat	aacgtaggct	tttaactatt
78901	caaggaacaa	aaggaagctt	tattgtttat	aaccatttaa	aatcattcct	gcagctcatt
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79021	agtatgtatt	tgactaatta	attaattcct	gattaaataa	cagttttgcc	aattagtctg
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79141	caggatgggt	aattatgttt	ctaactagtg	ttttcagact	ttagctaaaa	ttcactatca
79201	agtacgtact	tctttccttg	gtgatattgt	gaaaattaga	gaaagcagaa	gaaatctggc
79261	agtaataggt	gcacccctta	atatctaacc	agtatcactg	caactcacca	taacctttct
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79381	gctccaggag	atRggacaca	tttttattta	gtgaagtcta	aatttattat	atttagaatt
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79561	aaaatatttt	tattccttat	caatccatca	tagtgaattt	cagagtggcc	cctcaataaaa
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79921	gccaaagaac	taaacattca	ggtatgttaa	actagttaat	ctctttttgta	ataatttcag
79981	gagggtccttg	ttaatatata	gtagaacaga	aacagttttt	acttatttaa	aattctacc
80041	tgcttcttct	caaagggttt	cagcatcttg	atagtcagag	ggaaacattg	tagtaagaca
80101	gtctctatgt	ttttctgact	gtctctgttg	gatatgtcat	tttaacatct	tttaacgttg
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80221	aatcaatgta	atagcacttc	aaacatgggc	tgttacacat	tatggaaaa	taacttctta
80281	atttcaaaag	ttagcttgat	ttttttcagc	taacctaaaa	caaagttaaa	atattctctg
80341	catattggaa	tttttacttt	ttattttattt	aggcattata	gaatccagaa	ctcaaatata
80401	ggcagtttgc	tctgtaagaa	ataaaaaata	ttttatttgg	ccaagaaact	ttacaggtac
80461	atattattat	ttgagagatt	tattttaaaa	gtaatttttt	gacatgttac	ttaatgggct

FIGURE 3-V

80521	aaacctttttg	atgtttttctt	ccagggttgct	gatttttgaaa	atttttattgg	atcactaaat
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80641	gacttcacca	agttagggcc	tcctgggttt	attgcagatt	aaagccatct	cagtgaagat
80701	atgctgtcac	gcacagacag	acagacacac	acacacacac	acacacacac	acacacacac
80761	acacacacag	tcaaatactg	ttctctgaaa	aatgatgtcc	caaaagtatt	ataataggaa
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80881	cacactgtaa	tcacagtgac	tcaggaggct	gaggtgagag	gatttccttga	ggccagggtt
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81121	tgactccag	cctgggcaat	aaagtaactc	ttgactcaaa	aaaataaaaa	aaattgtagt
81181	ggtagccatg	tgtttaattgt	taaataaatt	ctccaaaggg	ctaaaagtaa	attacttata
81241	aattttttat	agttgtattt	ttgacctgcc	ttttatatgt	atgaatattt	catagttttg
81301	catatcagat	gtaggcatat	agacaaatca	ataaaccaat	gaatatatta	catattctgt
81361	gttccaataa	aactttattt	atggacacta	aaatttgaat	ttcataaaat	tttcccatgt
81421	caagaataca	aaatacttga	gttttgtttt	tagctatttca	ataataggct	tcatttattc
81481	cacaggctgt	agtttgtagt	cttgcttgaa	acaatagaaa	cagactgatt	aagcaggaga
81541	agttttttga	aagaattttg	tttggtcac	ggaattatYa	gaaggcaggt	gaaccaggag
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82021	aacactttgt	aacatacaag	aactcaggaa	atgtgaacca	ttgttgga	atctactaaa
82081	atcaggcttc	ccgcaaacga	agatgaatgg	aaaatgtaaa	taaaaagaac	tggcaggta
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82201	atgtaaattt	ttaagttagg	aaggaaaaat	caggaatcaa	aaggggccag	gtgcagtggc
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82981	agaaagttcca	tgtttcctta	gattatgtat	ttagcatcca	ttaatcacag	ggccacaacta
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83101	attacagtc	ctccaaccac	aaaccccaac	atatagtatt	tcacttcctg	cccaatagtg
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83341	ttaaaacaaa	tcctaagtac	aaatgtcaga	acagaaacat	gcaaagcaag	aaaacattac
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83461	gctctttttg	ctcaggctgg	agtacagtgg	cgcatcttg	gttcaccgca	acctccgcct
83521	cctgggttca	agcgtttctc	ctgcctcagc	ctcccaagta	gctgggatta	taggcattgtg
83581	ccaccatggc	taattttgta	tttttagtag	agacggggtt	tctccatgtt	ggtgaggctg
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83701	acaggcgtga	gccattgtgc	ccagccaaaa	gtttcttttt	caagagatgg	tggtcttgcc
83761	atgttgtcca	gtatggactt	gaactactca	gctcaagcag	tcctcccacc	tcagcctcct
83821	gaatagctga	gactacaggc	atgcaccact	acacctggct	gcgagatgaa	attttaagag
83881	atgggggtct	tgttctgtcg	ccaggctgg	agtgcagtga	catgatcaag	ccgtgatctc
83941	ctgggctcaa	gcaatcctcc	tacctcagcc	tcctgagtag	ctggaactac	aggaatgcaa
84001	caccatgccc	agctaatttt	gatttttagt	agagatgagg	tcttcctttg	ttgcccagc
84061	tggtctcaaa	ctccagggt	tcctgagtag	ctgagactac	aggtgtgagc	caccatgccc
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84181	catttcatatt	ttaggataga	gatatacaagg	tgagggtata	actgaacgag	aagaggaata
84241	aacaccaccc	tgtgattgat	ggatctttat	agctctcctt	tgataaagaa	gggaaatatc
84301	gtacttacat	tagcatgtta	tagttgctgt	tggtatacag	aagaatatta	aacaatatcc

FIGURE 3-W

84361	atatattggt	tatgaatgca	ttgaattcat	aaacaatggt	atggatattg	actagccaaa
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84481	tcctagtgtg	ccttcctata	atgcaggggc	tggaagggtga	gaaaataacc	acatttccca
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84601	tgtgagattt	ggaatgcaga	actgaggaga	gagccatctt	cctcttgctt	gtgttctggg
84661	ggcatgtgtg	gttgaggaga	catttaattt	ccctgcagca	gaattcttgc	agtcagttgt
84721	tgaggcaagt	ggcgtggtg	atgcaaccct	gattcttcac	ctttctcatt	atttgggggg
84781	agcagcgctt	ctggcaagcc	agacagacct	gcagtgtttt	tctgggagtt	aattctggag
84841	accagtatg	gaaccactc	ctagcccttg	tgacaatatt	gcaagcatcc	agttccctgt
84901	tttacagtcc	ttttaaatgt	ggctagctac	agtagtttgt	gtttcctgca	actaatcact
84961	catacatctg	tatctaagc	atccacctg	ggcatgtac	tatacttaa	attataaggc
85021	aataattaatt	cacaaaacta	cctactcgtt	ttatttaacc	ctcagaagaa	ctgaaaacaa
85081	aagctataacc	aggcttgctc	tagagcgtgg	gcttgggaat	ggaaaggcag	agtcgacct
85141	ttgaattcca	tcatcagttt	ttctatacca	tggagttact	taccatgtgt	atacataaca
85201	ctgattaaaa	attttaaaaa	aaaggttaaa	acaaaaactg	agccagattc	tgacatttaa
85261	atcagaatta	ttcttagtac	atagacttgc	aaagtcactg	aataattcSt	tgggtactaca
85321	gactcttagt	ctttgcttct	agaaatgtat	agtaatttca	acatgtcata	tatatagaga
85381	gagtatatat	gtgtatatat	atacacacac	acacacacta	tatagagtat	atatatacac
85441	tccatataca	gtatataata	tagtgtgtat	atatatatac	actagagtat	acacactcta
85501	gagtatacac	tctataaagt	atatataatta	tataactat	atattatata	tactatatac
85561	tctacagtat	atatatacac	tatagagtgt	atatatacac	tatacagata	tgtatagagt
85621	atatatactc	tatatataca	ctatatatag	tctatatact	ctagagagta	cagtatatat
85681	atatagtgt	tataactct	atggagtgt	tataatttct	ctttctctcc	atatatatat
85741	atatagtaaat	cagcttcctc	agggtgaaac	atctagatat	attgaaaaca	ctggatagtc
85801	tgcaaactcc	tcttccttag	agaatgtata	ttatctttag	tattaaagt	actcttgtaa
85861	gtcctgagaa	acacctcgga	acactgcatt	cacgtgtttg	ctaggcagaa	tagtaccac
85921	cctgcaagac	atcacatcct	aatgccaga	acctgtgaat	gtgttaggtt	acatagcaag
85981	gggaaattaa	gatggcta	caggtgacct	taaaataggg	agatcatctt	ggattatctg
86041	catgggtcca	atataattag	aaagaacctt	taaagtggaa	gagggaggca	gaagagagcc
86101	agaggaagat	gtgactacag	aagaaggcac	ggatgcagca	ttgctggctt	tgcatagtag
86161	ggaaggaggc	cttcagccaa	ggactgtggg	tggtcttaga	atcttttttt	acatctcagt
86221	atgtatgcc	cagttaaggt	ttttgttttt	ttatttttga	gatggagttt	cgctctgtca
86281	tccatgctgg	agtgcattgt	tgagatctcg	actcactgca	acttccgccc	ccgggggtca
86341	agcaattctc	ctgtctcagc	ctgagtaact	gagattacag	gtgcgtgcca	tcatgcccg
86401	ctaatttttt	tatttttagt	agagacgagg	tttcaccata	ttgatcaggc	tggtctcgaa
86461	ctcctgacct	caggtgatcc	gccacctcg	gcttcccaa	gtgctaggat	tacaggtgtg
86521	agccactgtg	cccagcctca	cagttaaggt	ttttaaacaa	tctgatttaa	ctgaataaaa
86581	aatgctcgct	tgtgtggcga	catggttttt	aaaaatgtaa	acagagctgg	gcatggtggc
86641	tcacatctgt	aatctcagca	ctttgggagg	ccaaggcaag	agaactgttg	aaggtcagga
86701	gttgagagacc	aaccagccca	gggaatatat	aggagagacc	tatctcttaa	aaaaaaaaaa
86761	aattacctgg	gcatggtggc	atatgcctgt	ggttccagct	actcaggagg	ctcaggcagt
86821	aggattgctt	gagcccagga	gtttgaggct	gcactgagcc	gtgatcacac	cactgcattc
86881	cagactaggt	acagagcgag	tctatgtgga	gtgcaatgtc	tctaaaaaaa	aaaaaatacc
86941	caaaatataa	acagggacta	tgaggtatgt	acaggaaatt	aatagctgaa	gaatatttta
87001	ccatgttcaa	aaactaaatt	cttcatgtgg	ctgagagaag	aaagaaaaaa	atggtatggt
87061	tgtgttccat	ttgcaRgtat	tacataaacc	catttttaaat	gaactaaaa	gcctaggatt
87121	tgggggggaa	aaattatctt	gtgctcgcat	ttgaagggtt	ttctcagaaa	taaactgttt
87181	aaagagacca	cagtactggt	ttaatttttt	ttctgcagga	ccagagggaa	acaggtggtt
87241	taccattttt	ggaaactctg	tcacatgata	tgaatagaaa	ggatagttgg	atgtaacggt
87301	aaagctttct	gaaccagcaa	tccccaacct	ttttggcaac	agggactggt	ttcaagggaag
87361	acagttttcc	acggacctgg	atgggggaat	gtttcgggat	gaaacttcca	cctcaagcca
87421	tcattagtta	gattctcata	aggaacgcac	aacttagatt	cttcgcatgt	gcagttcaca
87481	gtagggttca	ccctcccatg	agaatcgaat	gcgctgctga	cctggcagga	agcagagctc
87541	agggtggtgat	gctcgcttgc	ctgccgctcg	cctcctgctg	tgtggcctgg	ttcctaacag
87601	gccatggatt	ggtactgggt	cacagccag	gggttgggga	cccctgtaac	aaaaggaaaa
87661	caagattctt	aaatctttac	aggaaggagg	aatggaatgg	aaaataaagc	tagttgtaca
87721	ctaaatgatg	ttaacaatcc	ctttatcacc	tttaaaatat	gagcagagag	gaaagaaata
87781	ttaaaaccaa	ccctttttac	tttcttattt	gtagataatg	cctgccttac	gagaatgtta
87841	tttMttttta	aggttccaaa	acaacatat	aaaaacttag	taatgactta	attgttcaca
87901	tattctagt	acatcagtac	attttcagga	agaaatgtgg	aaaggttggc	actagaagtt
87961	gacataagaa	ttagtttagc	caggtgcagt	ggcacatgcc	tgtagtccca	gctacacagg
88021	aggctgaggc	aggaggattg	cttgaagcca	ggaattctgg	gctattatag	tgtgctatgc
88081	tgactgggtg	tccacactaa	gttcggcatc	aacatgttga	tctgggagtg	gtggaccacc
88141	aggtttccta	aggagggatg	aacctgccca	ggccagaaat	ggagcaggtc	aaaattcccc

FIGURE 3-X

88201	tcttgggtcag	tagtggggatc	gccccgtgaa	aagccacggc	attctagcct	gggcaacata
88261	gtaagaccct	gtctctttaca	taaaaaataa	aataacaaaa	atgaaaagga	gaattagttt
88321	agatctcttg	ataattttaa	cagtaaatcta	aattatagag	tttaggtgga	gttaatctct
88381	gcaagtcctg	aggagctatg	cccaaggtgc	ttggccctac	cagcaatgca	ctcttttgct
88441	tacatgtggt	tcaaatctta	aatccccatca	tttagttttt	tcctatttag	gctgtgggac
88501	ggtgcgttta	ttacaatgat	tgaaacctgt	gccttatttg	gattactggg	tattcaaaac
88561	acatcttttg	gtttagtggc	tggttaattac	agcttactcc	tgtaagattt	aactgtcatt
88621	gattcctaga	gaattttttt	tgagacaagg	cctcgggtgg	tcacccaggc	tggtaggagt
88681	gcagggggcac	aatctcggct	cactgcaact	tctgcctccc	tgggctcaag	cgatcttccc
88741	acttcagcct	cctgagtagc	tggtaccaca	ggcaccacc	atcatgccca	ggtttatatt
88801	tgtatttttg	gtagagatgg	cggcgggggg	gagccggggg	gtacgggtgt	cggggcaggg
88861	gggtgggggg	gtggtcctca	cagtgccccag	gctggtttcg	aactcctgag	ttcaagcagt
88921	ccacccacct	cggcctccca	aagtgtctgg	attacaggta	tcagccacca	tatccagctg
88981	ttttaatttg	atttaacttc	caatcaatat	ttacataaga	ctcatttgca	aaactgcctt
89041	ctttacatta	tcttcttctg	gttttaggaa	acaaaaagta	gccccagttt	atttgtgtcct
89101	agactaaata	acacaagtaa	cactacatta	cactgcatat	ctgatataag	aacgcagtac
89161	acataatttct	agacttttgt	catttatccc	caggcagaaa	atattcataa	tagatttgga
89221	ataagatttt	cttctcaaaa	agcttaaaact	tcaaatagaa	gtgataagtg	agaaagaatg
89281	attgggttgc	agaattttca	aaagcctaaa	aacagcctgg	gcatgggtgg	tcacacctgt
89341	aatcccagca	ctttgggagg	cggaggtggg	cagattactt	gaggttggga	gttccagacc
89401	agcctgacca	acatggtgaa	atcctgtctc	tactaaaaac	ataggagtta	gcagggcggt
89461	gtggcatgcg	cttgtaatcc	cagctgcttg	ggaggctgag	gcaggagaat	cgcttgaacc
89521	tgggagggcg	aagttgcaat	gagccgagat	agcgccattg	cactctagcc	tgggcaagaa
89581	cagggcgagg	attcatctca	aaacaaaaca	aaacaaaaca	aaaaaacaaa	aacagaaagc
89641	ctaaaaacag	gttccaagaa	gttgtagcaa	agaggtaatt	tgttccaata	tacagcacag
89701	tcatacacag	cactttgcaa	cttaaccaag	gaaaacatta	aaagtggcaa	gacaatacta
89761	ccctctaggg	gccaaatttt	tatgttcaca	actcagcaaa	ggatcaatga	aaggatgaac
89821	taaacagtta	ataacaggcc	agttattcaa	gattgaacaa	tcctttctct	tttcacgttc
89881	tcttggggta	agcactacat	gattgactac	agaagttggg	ataagacacc	tgaccagtac
89941	atttttggtta	cttatgaaaa	taattctgat	acaaggggtg	agagagaaaa	atttgaaatg
90001	aacttcatga	aacgtagaat	ttatatatag	atttttattt	atatttttat	tacagactta
90061	ctatttctaat	tttttcccca	tttgggaaaa	aagttcagtg	acagatatte	ccagtccctt
90121	cagacatatg	aggtgcctgt	gtgttttaatc	tacttggata	gaaattatta	cagaattcat
90181	aaaacaggaa	atgaacatta	taaaccagtt	actaactgta	gaatattttg	gtttcctctg
90241	Ycccctgccc	tgctctaaac	tctacttcac	tgggtttctg	catttttctc	atccttttatc
90301	ccagattaac	ctgttcattt	attgacttct	gtcaagttct	agaaaatgag	atcaaagact
90361	gatagctgga	tgttctcccg	tcttaaaatg	ttagggaaac		

FIGURE 4-A

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1      tgtgcttgta tcattgaccc tttatgatta gtcaattctc tttattttatt ttttttgaga
61     ccagggtctca ctctgtcacc caggctggag catagtgggtg tgatcatggc tcactgcagt
121    ctcaacctcc   tgggctcaag cRatctccct acctcagtcct cccaagtagc tgggactata
181    gttgtgtgcc accatgccag ggtaattttt ttattttttat tttttgtaga gatgggtctc
241    actatgttgc ccaggctggg ctttaactac tgggttcaag tgatcatcct acctcagcct
301    cccaaagtgc   tgggattaca ggtgtgagcc actgtaccca gcctctttat tctttaaaat
361    aagtttgтта aactgaatca attaggttct gtgcttccta cttcttacct cagaatagtc
421    tatgattatt gctttctaca tgttctagtt ttatttataa tgtggggggt taaaattttt
481    acttcttaga attttgggag tgccttgctg atgaccacat gtactgctta aaggagggtg
541    gatggggaga aggagaaata gatcagtaac tagaaaagga gaaacattta gaaacaaagt
601    atttgatggg ttctgaactt tttatgcaac ttgaccacaa attcttaagt tcatctggaa
661    gaaaaaatgc agaagtctag ccaagaacat ttKgaaaaag aacaatagtg aagaattttc
721    cctattagat Rtcaaaatat accataaagc tatagtgggt aaaacattgt gggattggca
781    caagcataga caaataattc agtggaaactg aacagagact ccagaaacag attcatctac
841    atgtagaagt ttagtatatg atgaatatgg tatttcacMc tgatcttag ccaaaagcct
901    gagaagtaat gaatacggta tttgaaatga cagggcacaa agaggggaat aagggtgaat
961    attataatag atgatgttct tagttatcta tctgggaaat gattggatta gaattcctat
1021   ctcacacata tacaatgaa aataaatttt caaatggatt acggaaggaa tactaaagaa
1081   caaMactaaa atgttttaga acaaaacatt tgagagcagt ttttcaatct tggagtggga
1141   aagaccattc tgagattcta aaattgagaa gtcttaataa gaaggggctg gttagattga
1201   ctacataaac tcgaaaactt ttttgcaagt taagacacca taaaaacatt aagaacacaa
1261   aagaaagttt ttctgcatct ctgccccctc tctctgggtg ctatctttct aagctcggcc
1321   tctctcgagt ccctgtcagc ttgtctgagt ctcggtcctc cccggtgagt ctcggcctct
1381   cccactctga gtcttgccac ctccactctc ctgagtcctg gctcctccca ctctgagtc
1441   tggctcctcc ctctctgggt ctcagctcct ccccttttga gtctcggctc tctctctctc
1501   gagtctcagc tcctctctct cagagactct tcctctttcc ctgtcttggc tccttccttc
1561   ctgagtttca gctcctagct ctgagtcctc gatcctccct ctttggtttt ctcccagtc
1621   ttgtctccta ctttttcact caggttgtct cacaatctgt ttctcaaga aaagtagacg
1681   agtccctggac agacaaatga tgagtttcat tcatagactg aggaagcaat aagggaaaaa
1741   gaaaaaaaaa aagaaaaacag catgggaaag atttgcaagt tatatagaac aaaaatacaa
1801   gattcataag gaatatatag taagtataaa tccatcaaaa aggtacaact ggccaggcgc
1861   ggtggctcac acctgtaatt ccagtacttt gggggggccg ggtggatgga tcaacttgag
1921   gtcaggaggt ccaaaccagc ctggccaaca tggtgaaacc ccatctctac taaaaataca
1981   aaaattagcc gggcggtggg gtacacgcct gtgatcccag ctattcagga ggctgaaggca
2041   ggagcatcac ttgaacctgg gaggcagagg ttgcagtaag ccaagatcac accacttcac
2101   ttcagcctgg gtgacagagt gagactccgt ctcaaaaaa aaaacaaaaa aaaaggcgca
2161   actaccatga gaaaattggg taaaggatat tcacaggcaa ttcaaagaca ctgaaatgtg
2221   tgcagcttag taagtgtctg gatgcaccSg gctccctcct tcagagccgg gtactccttc
2281   tccaattctg ggagtctcag tagctctggg ttactccgtg agtctctctc taggagtcct
2341   catttattca gaacaaaagt atactctagc tgggcgtggg ggctcacgcc ttagattcca
2401   cactttgggg aggctgaggc gggcggatca cttgaggtca ggagttcaag accagcctgg
2461   ccaacacggt gaaaccccg ctctactaaa aatacaaaaa ttagctgagc atggtggcRc
2521   atgcctgtag tcccagctac ttgggaggct gaggcaggag aatcacatga acctgggagg
2581   tgtagttgca gtgagccaag attgcgccac tgcactccag cctcggcaac agagagagac
2641   tctgtctcaa aaaaaaaaaa aaaaaaagaa aggatatcct gccattccta tgagagaagt
2701   cacagagaag tctgaaatac acaaaaaagt ctttataatt aagtgggtctt cacttttttt
2761   ttttttttaa atacacagaa ttttgctctt attgccagg ctggagtgca atgacacgat
2821   ctcggctcat cgccacctct gtctcccggg ttcaagtgat tctcctgcct cagcctcctg
2881   agtagctggg attacaggca tgcgccacca tgcccagcta gttttgtatt ttagtagag
2941   acgggggttc tccatgttag tcaggctggg ttcgaaactc tgacctcagg ttatctgcct
3001   gcctcagcct cccaacacat ttttataatt ataattgaaa atagtcttca cagtttcatt
3061   ataataatca tgtcaatttc ctaagttttt aaaattttaat ttaaattaaa accttgaatt
3121   tccttttagtt tttaaaattt aaggacttaa ttctcttcca cataaaaaaag tggcccaatt
3181   tcaaggactt catgtctaaa acaccaaag caatggcaac aaaagccaaa atagacaaat
3241   gggatctaatt taaactaaag agcttctgca cagcaaaaaga aactaccatc agagtgaaca
3301   ggcaacctac agaattgggag aaaatatatt caacctactc atctgacaaa gggctaatat
3361   ccagaatcta caatgaactc caacaaattt acaagaaaaa aacaacaat cccatcaaaa
3421   agtggggcaa ggacatgaac agacacttct caaaagaaga catttatgca gccaaaaaac
3481   gcatgaaaaa tgctcatcat cactggcat cagagaaatg caagtcaaaa ccagtagag
3541   ataccatctc acaccagtta gaatgggtgat cattaaaaag tcaggaaaca acagggtgctg
3601   gggaggatgt ggagaaatag gaacactttt acactgttgg tgggactgta aactagttca
3661   agcattgtgg aaatcagtgt ggcgattcct cagggatcta gaactagaaa taccatttga

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FIGURE 4-B

3721	cccagccatc	ccattactgg	gtatataccc	aaaggattat	aatcatgct	cctataaaga
3781	cacatgcaca	catatgttta	tagcggcact	attcacaata	gcaaaggctt	ggagcctacc
3841	caaagtgtcca	tcaatgatag	actggattaa	gaaaatgtgt	cacatatata	ccatggaata
3901	ctatgcagcc	ataaaaaagg	atgagttcat	gtccttttga	gggacatgga	tgaagctgga
3961	aaccatcatt	ctcagcaaac	tattacaagg	acaaaaaacc	aaacaccaca	tgttctcact
4021	cataggtggg	aattgaacaa	tgagaacaca	tggacacagg	aaggggaaca	tcacacaccg
4081	gggacctgtg	tggggtccgg	gggatgggag	agggatagca	ttaggagata	tacctaatgc
4141	taaagtacga	gttaatgggt	gcagcatacc	agcatggcac	atgtatacat	atgtaacaaa
4201	cctgcaggct	gtgcacatgt	actctaaaac	ttaaactata	ataataataa	aatttgaaaa
4261	aaaaccaatt	tgcatttatg	tagatgacat	gttattgtct	aaaccaaacc	ttttttggta
4321	tttgtttgc	tttacgtcag	gctttgaagt	tgctaagaaa	tttgctctgc	cctccctact
4381	ctcctcgaa	gagatgtgac	ctgttccctg	gattacccta	aggatccacc	acccttcagt
4441	aaccgagggg	gccaagggcc	Rggaaagcgg	gcagcaactg	aattcctctc	tgggatctga
4501	ctgtcctcag	cagagagaaa	caccacacgg	actggagcag	agccacagtt	ctgtgagctg
4561	tgagttcgct	agagagatgt	ccctgacaac	aacagctggg	tttgtgattg	tgattYccct
4621	ggcagctctg	tgaatccatg	tgctcatctt	tcctgacatg	agcctctccc	ccttgacaaa
4681	tgcaatgggg	tttttactat	ccacctggag	cagttgaggt	ccagagaggc	caaggaaata
4741	agcgagaagg	acaacagcag	gattcaaagc	caaagtccac	atagcgtaca	tgcttgaatg
4801	agggcatggg	ttccctaaga	agccctccct	tcctttatgc	tcacagggt	cctgtgccat
4861	tccaatttat	gcccgttgg	aagtatcttg	gaattcttta	actattcttg	tacacagctc
4921	taacacctct	gattgtcagg	gattcatgta	tacctgtgga	gtctaaaggg	tgacgaaaag
4981	cagtttaattt	tctcagcaaa	tcatccactg	gtccatatag	cagcagcctt	agatggcaca
5041	atcggtgttc	cctttgccct	ccttgccctc	cttatgaccc	cgtttctttg	cactccctgg
5101	cctcccctYg	gattcctact	ctgttataga	gtgatagcat	cacatcctga	ggtcttcagg
5161	aattaacgct	tttcaaaata	gtcagaggag	catcataaaa	caagtctttc	tcaatcccag
5221	cactttggga	ggctaaggag	ggaggatcgc	ttgagcccag	gagttcaagS	ctagtctggg
5281	caacacaagg	agatctcgct	ctttaaaaaa	atgtaaaaaa	ttatctgggt	gtggtggcat
5341	gtgcctgtgg	tcctagctat	tcaggaggct	gaggtaggag	gatggcttga	gtccaagagg
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5581	acaaaccttc	actacaagaa	tgggtgggtt	atatgtttgg	aagaagtggg	caagggaac
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5701	gatgtgtcag	aatcccgct	gtccccacac	taagcacagg	gtctgttgca	aggggaaagc
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5941	tgtgctggag	ccctctggag	gggccagaca	acccaacag	ttgcaacact	gtcttccgct
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6121	tagggacagg	gcgaggggag	ccagcagaga	gagagagctg	gcctgcagtg	gggccaacaa
6181	aaaatgtggc	cagccgctgg	ccaggaaggg	gagtgagaag	cctcaaataa	agctttgaca
6241	ttgtttttct	ttcttctgga	gtgctgccat	gtgccgccac	acagagcatc	tcacgggtag
6301	atgcgtatta	ttgcaatgtg	tttatctagg	aaaccagagc	ccagctccag	catctggttt
6361	tcagcacaat	cctgagtga	gtccaatttt	ccagttgggt	taatgaaaat	aaaacttggg
6421	aagtgtgtgg	ctggctgcat	caggggtctg	attctgggct	catgcagggc	catggattgc
6481	agagccggaa	gggcttgggc	aggtcatgga	tttattgtgg	acaaccttgc	atgggSaggg
6541	agttgctgcc	tggcctggct	ctgaggaaca	cgcctcacag	aggaatgatg	tctttggatt
6601	ttctctgtct	taacctgaca	ccagttgacg	gagcacctac	tttggctgaa	acactgggct
6661	gcgttgtgtg	gcaggggtga	agcacagggt	tggaccagtg	cctgagccca	gcttgctcga
6721	gcacagtgca	gccaaggaga	gatgcccga	cacacaggca	tcacacaggt	ggactgctga
6781	gtgggacctc	gatagcttgt	cagggtccac	cactttgaag	ctgtctggag	acctgggatc
6841	cgagagagac	tcgtttttta	aagccagctt	aaaaaaaggc	gtagccaggt	ttcagggaga
6901	cctggaaacc	agaactaaaa	gtccactggc	tctctttgca	tctccgtctg	caagtcttga
6961	gtattttgtt	catgtttctc	tctccttgca	gaacaggttt	ctctgatctt	cagacagtg
7021	ggcagaaaa	gcaattgccc	tacagctcct	gagtcacat	gagcctcttt	atctctctct
7081	cttcttcccc	ccactccaag	ttccttgggg	taaagtgct	agttagctct	ggcaggtgac
7141	aggctcacta	ttggtaaaat	cagaggtggc	taggggggtca	gagtcacatg	tatgaatatg
7201	gctaagagga	gccaccctg	aggtcccatg	cctgggggtt	cttgtttata	gaaagtgttt
7261	agtagtgaac	tgcaagtcc	agacagctgc	ttctttgatg	tgactccacc	cttgtgaggg
7321	acagcaggaca	gggaaatggg	ggccagccat	tagtgtgaga	gtaaggctgg	accagggtct
7381	ctgagctccc	agcccagtg	cttttccaca	ctctgttccg	ctggctctga	tgtggagcca
7441	acagttttga	aatggactgt	gcctatgtgg	tttcccctcg	ggagcagctg	cagaacgagc
7501	agtgttgatt	aaataggatt	ttgttggcag	gccttggaac	gagtggggag	ccaaacacca

FIGURE 4-C

7561	gtgggtgtggc	tagctgcaac	ccttgggggag	gttatcagaa	ggcgtgtgtc	atagatcctg
7621	gacagggtga	cctctcacag	ggtgtcagga	tcctggggga	aggatgggcc	cttaccaagg
7681	atggtctcttc	ttaccccaag	ggtgtctcct	agacagaatg	tagggaaggc	ccaggcaggg
7741	cagggaggaa	gagcctctct	ctcctgagtc	tcacctcaca	ctaaggaatc	acactgagtc
7801	ataaaatggt	gttaggggaa	gaggcctttc	tctgaagctg	gagaggaggg	tccccaaggc
7861	aggccagaga	gccagtctct	aaaggactat	aaggggtagg	acatttgggtg	tctccttggt
7921	catccgtaat	cctgctgaac	aatgacgctt	tcctcattc	caccatcttg	gtgtgggaag
7981	ggatacttat	gtttttcaag	atgctgtcag	ttttgtgtgc	accttgctgt	ccctgcagct
8041	gtctctccag	cacctcatgc	ctggagtcac	tgatgttccc	acttccaggc	ctgagcccat
8101	ccggggagcct	gagccaatac	tgaaaacagc	cccaatccca	ttccatgggg	cttggagtc
8161	tcttctctgct	ggtagcacca	ggctgggctt	cctgctttgc	tgtgttggtg	tatccatagg
8221	actggggctct	cgcttggtc	tttcttccta	gttcacttgg	ttatatcttc	ttgaacctt
8281	cctgtgggtc	tctaccacag	ttttaagcct	tcctggggct	ctatacctgc	ttataaactt
8341	tggcccatctc	ctccagccac	tgatgaagg	aacctggggc	atggtgatga	accttcacct
8401	ggcttcatgt	tacctcccat	ctctatcatc	tctgccaaact	ggcctggcta	tctttaatag
8461	tgatgtcaac	tagggatgac	ctctgaacag	tttaccagcc	cattttgagc	ctgggctgga
8521	acctgtggct	cagggttagt	gaggaggctt	tctccatttt	ctttgttctt	ctccttggcc
8581	ctacattctt	tctccatgag	cccatcttaa	tgacacttgg	catgggctat	gcttctctgtc
8641	ccactgagcc	atgccagga	gtcttctctc	ctttccattt	gtctcccttc	tgttgggtgc
8701	aaagggtcatt	aggagtccat	tgacagcagc	ccatcccca	gtgagtagat	ctcctcatgt
8761	actggtaagg	gttactgact	gcaagatcac	attcctcatg	tagacatctc	ccagagtatt
8821	atgggtcatc	ccgcatcagc	tcactaaccc	atgtgattaa	cctgagtc	gcaactctg
8881	gccaaagtga	agaaggagaa	agtcagacta	tatatattct	ttattttttg	gttttaattc
8941	tcctgtcat	gatgcaggca	ggtattacct	gagcacatgc	aagcctgact	tatcctaatac
9001	tctttctcat	ctaggtgcta	aaatgacatt	ttctctgaac	ttgggactat	agaattcttg
9061	ctagtgcagg	gtctgttctg	ttcagtcacc	acccattcct	cagacatggt	ttctattgcc
9121	ttttgcccac	agctgaaatt	ccccatcca	tccatccatc	tatccatcca	cccatccatc
9181	cacccatcca	gtcatcta	aaatgtatct	gccaagtcct	gtgtaaacaa	ctcaggcatg
9241	gtttcttctc	gcaaggagcc	ttgtgtctgc	ctcaagccct	gcctctgtct	ggcaggacct
9301	ggactgtctc	cagctggact	tgctaataatg	tctccagtct	aggctcattc	ttatggggat
9361	agcagacaat	ggcagggaga	ctggcaataa	acatgtaaac	atataattaa	ttgtcaactg
9421	ctaattggct	taatgttata	taagaataaa	gactgc	gaaatgaca	acaaattatg
9481	agggcaccta	cttaggaagg	gtattaggag	taggctttct	gaggaagtga	cctttaagct
9541	aagatctgaa	ggatgtcata	ggggaaaaaa	atgtgcagag	aacagaaaac	aaaaagtgtc
9601	aaggccctga	ggtggagaag	gaaacatgtt	ccagaactgg	aaagaagctt	gatgtggctg
9661	aagtWcagca	aatgagaaag	tggcataaaa	tgagaccagg	gaagaaggca	ggagacatat
9721	tcattgcacag	ctttttggcc	ttggtgagga	agttataaaa	ggaaagagct	aaagcagaaa
9781	ttgatgtgat	ctgatttaaa	agattgtctc	agctgtctacg	tggaaaatag	attggagagg
9841	gggtcacatg	gaagcaagga	actgctggtc	ttttagccaa	gggatgatgg	gtggcttaat
9901	ttgatgggac	agcactggag	acaagtttgg	ggtatagagt	aggatgtggt	gggcaaggga
9961	gacttcatgt	acttttgcca	cattttctgtc	tgagaaactg	agtgaatagt	gtaggggtgg
10021	gttccccctc	cacacctgtg	ggtgtttctc	gtaagggtgg	acgagagatt	tggaaaaaga
10081	aaagacacag	agacaaagta	tagagaaaga	aataagggga	cccggggaac	cagcgttcag
10141	catatggagg	atcccgccag	cctctgagtt	cccttagtat	ttattcatca	tttgtgggtg
10201	tttctcgaag	agggggatgt	gtcaggggtca	caagacaatt	gtggggagag	ggtcagcaga
10261	caaacagtg	aacaaaggct	tttgcatcat	agactatgta	aaggattaa	tgctgtgctt
10321	ttagatatgc	atacacataa	acatctcaat	gctttacaaa	gcagtattgc	tgcccgcagg
10381	tcccacctcc	agccctaagg	cggtttttcc	ctatctcagt	agatggagca	tacaatcggt
10441	ttttataccg	agacattcca	ttgccaggg	acgggcagga	gacagatgcc	ttcctcttgt
10501	ctcaactgca	agaggcatgc	cttctcttta	tactaatcct	cctcagcaca	gaccctttac
10561	gggtgtcggt	ctgggggacg	gtcaggtcct	tccttccca	cgaggccata	tttcagacta
10621	tcacatgggg	agaaaccttg	gacaatacct	ggctttccta	ggcagaggtc	cctgcggcct
10681	tccgcagttt	ttgtgtccct	gggtacttga	gattagggag	tgggtgatgac	tcttaaggag
10741	catgctgcct	tcaagcatct	gttttaacaaa	gcacatcttg	cacogccctt	aatccattta
10801	actctgagtt	gacacagcac	atgttttcaga	gagcacagg	ttgggggtaa	ggttatagat
10861	taacagaatc	tcaaggcaga	agaatttttc	ttagtacata	acaaaatgga	gtctctatg
10921	tctacttctt	tctacacaga	cacagtaaca	atctgatctc	tcttgctttt	ccccacaaat
10981	agtgtgtct	ttaaactgaga	tatgaagatc	acaagcagag	aagcttccga	gttcaggag
11041	gaaatccaga	gttcggatgt	gagcatgtta	agtttgagat	ctccgttaga	catccacgaa
11101	ggtcaggtag	gcacttgaat	aaatgagact	ggaactcaga	agaggcttgg	gctggagcga
11161	aagctgaatt	gtcagcatat	ggagaatagg	taaggtagga	gggacacct	cttatctgtt
11221	tccctgggag	ccttgcaacta	aagctaagg	ctttcaaaca	gacttgagta	aaggcatcag
11281	gggtggggga	cctggaatac	ccttccaata	tgagggtctc	tgggttctctg	cagggccagg
11341	actgtgcata	atagtgattc	aactggggca	ggagaacttt	cttggctcca	ctggggctgg

FIGURE 4-D

11401	cctttcttag	gattgtttta	aattccattg	attattcttt	gctttgctct	ggaaacaact
11461	actctttatg	taagccctct	ctgaaagtga	caaatacatg	aaaaattctt	ttggatttga
11521	atgcagtgaa	ggcagagagg	gcgcatcttg	ctttgtggtg	tggaggccat	gctgaggatg
11581	tgccgcgggc	cagagagctg	gaaagtgggt	tcaggcagcc	aggctgagtc	aacccttcac
11641	ccctgagaaa	cccacgcaga	gcatacacgtg	atgtggagga	acaggggcac	tgagtcagtc
11701	taatattcaa	ggcaggaaa	gtagaatttg	aaagggagga	gaaaatgtca	ttttggtgtg
11761	gcaggagaac	acgacatgct	tctctggctg	ccaggaagaa	tatttcctgc	ctagggtctct
11821	ggattctcta	tggctgagct	ctctgggata	gagaaggagg	gagatgttca	ttcccatattg
11881	gagatgtggg	ctgttttctt	ggggcatctg	ggctgggtact	tgtgaaaagg	ataggacttc
11941	gatagggtaca	gttttccctt	tacctgctga	acccttctgc	atgtcaaaaa	aataaaaataa
12001	aataaaaataa	aaaagtcccc	aacttgacct	cagggacctc	cttcccccta	ccatggagat
12061	tctgtctgcc	actcttcttg	gcttttagagg	acacacttga	ggaagcagag	tcttttctga
12121	tgagctcctt	gtccctgctt	accagatgta	gtgattcctg	agctccttca	ggggtgaagt
12181	gtctcagcag	ttccttcctg	aatcgtgcct	ctctctctct	ctggctttct	ctctcagctc
12241	tctcttcctt	tgtcatatatt	ttatttcctc	actttccctc	ccacagtggg	atgaagcacc
12301	gtattgagta	gaggctgttg	gtgttgggcca	gagctgtaga	atgctgatgg	aggaacagga
12361	agtaagttag	gaaggggcaa	gggtgcttct	aagtgtctctg	tgcactgacc	cagaagggtcc
12421	tttttggagc	cacagggctg	tggctctgag	catgaaagag	gagggctggg	gtgaggatca
12481	acactccaga	gggccaggaa	agggggagcc	actgtctcca	tgggacattt	ctggaagaca
12541	gttttctgagg	tggatatagtg	gcacgacagt	tattaagata	atgatgaaaa	aagattagag
12601	gaagcagcat	tgaagcagc	agcataaact	tgtggagatg	ggggtcagtg	tggccccgat
12661	ggctcctctc	cctccatcac	cttctcccca	cccctaggtg	tgtcacccctg	aagctaaaac
12721	tggctctgta	tggatgaggc	aacataaatg	ggaggcaagg	cagcagctgt	tgaaaattca
12781	atcgcgagg	cctctttggg	gcataatgtg	cctaggagtg	gctggcacag	aagtgtctga
12841	agtaaaacca	cccctgcccc	tttcttttct	ctctacctct	tatgagtttt	atggagttag
12901	tattcctccc	ctggacaaaa	actccaaagg	ccttccgact	tcctcagtaa	gatccaaagt
12961	tcttctcatg	gacttaagac	cctcatagac	ttggcctccc	accccttctc	ctgagctctc
13021	ttttgtgtac	tctattttgg	ctgcaactgg	ctccttggtc	ctggaagatg	ccagcgtgcc
13081	atgccacgcg	gcttcacatc	tgtctggccc	tctgttggga	cgctcttctt	gcacagtgcc
13141	gcctgggtca	ctccctcact	ccttctaggg	ctccgttcag	aggctccctt	aacaaagagg
13201	ctttctctac	acaccccaca	tcaattagac	actttcttca	ctcacactcc	cactcgcctt
13261	acatagatta	atttttcttc	tgaactcttt	atcatcacca	cataacatat	tctgtatcaa
13321	tctctttact	gtctatctct	ctctgcttga	atgtcactgt	tttgtttgct	gctgcattcc
13381	cgatgcctag	aagaatgtct	ggcacatgca	ggctttcaat	aaatatttgt	tgagtgggtg
13441	aatgaatgac	tacatctgac	gagaagagag	gcttttggtca	ctcttttagca	ttgatatgta
13501	atctgttgag	tgcgtgtttg	ctgcatttat	caacattctt	ttaaaactag	attcattttc
13561	tgatagtatt	atctcatcag	tcaggggacc	gcctgagcat	taggccacaa	gccagctat
13621	tcctggaagg	attgcaggac	aggcttgacg	gatgatgcac	aggctggtac	cctggggctc
13681	ttcatgtttg	agaagagagc	catggcactt	ctgggatgtt	cacagtgacc	tactcttat
13741	ttgatttttc	ctggaagaca	cctcaggcta	cttcttctc	tgaggatgaa	gtagaggaaa
13801	ggagtgtatt	attagtcagg	gctctctaga	gaaacagaac	cagtaagata	tctacccatc
13861	cacccctattg	gatataatc	ctatcgagta	tatagataca	cacatacata	caggggaag
13921	agagggggag	gggggaagcg	agggagagag	aggggaaggag	agagaaagag	aattttgtttt
13981	agggaactgg	ctcacatgat	tgtggggttg	gctagtctga	aattttgtagg	gaaagctggc
14041	aggctggaaa	ctcaggaaat	tcctatatatt	cagtcttaag	gctgaattcc	ttctgtttca
14101	agaactctca	gtctttgctc	ttaaggcctt	aaactgatga	gctaaggccc	acggcagtat
14161	ggagtgtaat	ctgctttact	caaagtctac	tgattcaaat	gttaattaca	tgccaaaatc
14221	accttcacag	caatgtctag	actggtgttt	gattgaacaa	ctggccacca	tagcctagtg
14281	catagaaata	actatcccgg	ggactcaccc	tggcagcaat	atacatgctg	gtgaacagtc
14341	cagtagctgc	agtctcttag	aattaggagg	agctgccaag	gtgccttatc	tcattcatgc
14401	ctctggtgga	gtcctcctgt	ggcaagtac	accagtgagc	agtggggccc	catcaggaag
14461	gactggggcg	gggtgcccac	gccccttatt	ctgccttgtt	ctggccctgc	cctggcctga
14521	tccttaccac	aaacccatat	ccccggggcc	ctgagtcata	cctagttttt	cccttttgct
14581	acttcattta	ttctgagctc	caggactaaa	aagagagaaa	tcagtccttt	ttcacatgga
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14701	cggtgataaa	tactatgaag	aaaataagac	aggacaatgg	gatttggaat	gatggggtct
14761	cacctttctg	aggaggtgcc	atttgaactg	agaatgaggg	atgcgtggga	atcagcatg
14821	cacagatctg	gggagcaggg	gggtcagcaa	gcgcaaaggc	cctgagcatg	caacttcttg
14881	ggagccagaa	agaaggccgt	ttgctaggcg	cacagtgaag	gagggagagt	cacacgaggt
14941	gaggtcagag	agaaagagag	gggcccaggtc	gtgggggtct	tgcaggtcat	ggttaggatc
15001	ctgggacttg	attctaattt	caaggaaagt	gttggaagt	ctgtagtggt	agaatgctat
15061	aatctcacat	tttataaaag	gtcactctgg	ctgccatgta	gtgaatggac	cacacagggg
15121	aagagtggaa	gcaggatgcc	ttgttgagaa	tgtcacccaa	gccagagatg	atggtggctt
15181	ggagcgggtg	gacaacagcg	cagatgaaga	aaatatacat	ttggtgcatt	tttgagggtc

FIGURE 4-E

15241	aaaatgacag	gcctttttga	tgaattggat	gtggcagatg	aaggaaagag	gaatgaagga
15301	agattcctgg	gttttttatct	aagcaatgtg	ttgaatggtg	ctttgggttaa	ctgagatggg
15361	agaagcaaca	gctggtggag	gggtgaagg	ggcaatcggg	tttgtaatgc	ctcttaggta
15421	tgcagggatg	tggtcaggcc	tggtcaccta	ctgctgccag	cttcaaagtg	gcagacctga
15481	gctgaaacct	ggacagggcg	actttttccc	agtggctgcc	tgggaattcac	ttgctttcct
15541	ttatcatcaa	gctcaccgtt	ggatggtaac	cccatgagct	atacctgctg	ggagttctac
15601	ctgagcttct	cagctctcct	tgtatcttga	gcccattggc	cctctctctc	tgaggcagtt
15661	cctgccttct	gttgaattca	gctcagttcc	acaagttctt	atggacacca	actcagtttc
15721	agatccatgc	tggatgttgg	tagcacaagg	accagcaagg	catggctagg	ccagcttcca
15781	cagttcctgc	ttgctctctg	gagcaggact	tttaaaacct	gggttcatgg	atggactgtg
15841	tattagtccg	ttctcatgcc	actataaggg	cataccgcag	actgggtcat	ttataaagga
15901	aagaggttta	attgactcat	agttctgcag	ggctggggag	gcttcaggaa	acttacagtt
15961	gtggcagaaa	gggaagcaaa	cacatccttc	tcttcacgtg	gcagtaacaa	ggagaagggc
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16141	tcatgacacg	gggggattac	agaaaccata	attcaagatg	agatttgatg	gggggaacac
16201	agccaaacca	tatcagattg	caagggaaag	atctgtaaact	tcccagacat	gtgtataaaa
16261	atttgtgttt	aggtacatta	atgtgtgtata	aaatttgtgc	ttaggtacat	tatggtattc
16321	atttttctag	gaaggggacc	tatggcttct	aacagacact	aaaaaaaggt	aggtgacccc
16381	caaaatgcc	agactgctat	tctgcgggtg	aagcgcccaa	tgcttaatcc	ctctccctcc
16441	agtcttgagt	catcaccagc	atccagcctt	tctcaacctt	gcagctgctt	caggatgtga
16501	cagatgtgat	aaaatgcagg	cgaggtcggy	ataggccaag	aagcaggaag	ggctgtggtc
16561	ttaggggtgtg	tgagggacag	gtacagaatg	cccctggaga	gagtgtgggg	ggcttcaaat
16621	gccatctgag	gagctgtgat	ttaccctctg	gaatgatagg	gagttagaaa	gcatcttaag
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16741	tggacaggag	atgggtaagg	ctggagaggg	agagtcagga	ggaaagaatg	ggagatgaga
16801	cagtgtggat	ttggagtgg	aggaagagga	atggaggag	tggaaagctaa	atgaccactg
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17281	acagttgtct	cctcaggggtg	accatgccca	gtgcctctgt	atatgctctt	ccctggggct
17341	agaacactcc	atcctccttc	ccacacgtgc	ttggtgtcac	gccccaggct	ctcgtccttc
17401	tgtgacctcg	agagcagagc	cagtcacttc	ctcctccctg	ctctcacagc	cctctgggctt
17461	gcctcctcaa	agcactttgc	aggctggatt	gctggtgact	gtgtgtgctt	gctaccccc
17521	cccccaacca	ggagactgga	cttctctggg	gacaggcttg	tctgtcatcc	atgggtcccc
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17701	ttgccaattt	attataaagg	atattcaaaa	gaataacagat	gaacaacagc	cagatgtgatg
17761	gaatagatac	ctaaggcaag	agatgtggga	agaggcgagg	ggctccatgc	cctctctgga
17821	tgaccacccc	tccaggagcc	ttcaggtgtt	cagctaccag	gaagctccct	caaaccacac
17881	cttttctgtt	tttaaaaagg	atgggttagtt	gccttgaagt	agggtggcag	gccttaactg
17941	catgcatgct	gtcaggttgc	agggtctctt	cogtcattgt	caaggggagt	gctaactttc
18001	cctcctttct	taaaacatgc	aacatgatgt	tttaatgtac	atatgtatgc	ataatgtaca
18061	tatgtatgca	taatgtacat	aggcaggaac	ttgctgtgca	actatcagta	gtttctttct
18121	atccgtagcc	gaagcagtta	ctatggccga	ggaaactgac	atatccatta	tctcacatag
18181	ttacctttct	ttcttttttt	ggtgagagta	cctaaaatct	acgctcttag	caaatttcca
18241	gtatgcaata	caatattaac	tatagtcttc	atgctgtccg	ttgaatctct	agcttatatt
18301	atcctataca	actacatctt	tcaacccttt	gacctacatc	tgtccagtc	ctcccatcaa
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18421	tgcagtgttt	ttctttcttt	ctgtgtctgg	tttattttac	tcagcataat	gtccttcagg
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18541	ttgtgtgtgt	ttacatttat	ttacatttat	atgtaacaca	catatatatg	tttatgtata
18601	cacaaagaaa	tatatataca	cacatatatt	tatacatata	catcatgatt	tctttatcca
18661	ttatctctct	gatggacact	tcggttgttt	tcatatcttg	gcagttttga	ataatgctgc
18721	gatgaacatg	ggagtgcagc	tatctttaca	agggtgtgat	ttcatttcct	ttaggtatat
18781	acccaatagt	aggattgcc	gatcatacac	tagttctatt	tgtaaacttt	tgaggaaccc
18841	ccataactgtt	ttccataatg	gttgtaccac	ttacattctt	caccaacatt	atacaaggg
18901	tcccttttat	ctacagcctt	gccaatcctt	gttatctctt	gtctttttga	gaatagccag
18961	cctaacagggt	atgaggtgat	cactcattgt	ggttttgatt	tgcattgtgg	ttttgattta
19021	tcttttattg	tacctgtttg	ccactagtgt	atctttctct	acctttgttt	tcctctttct

FIGURE 4-F

19081	ttcttttctg	cctttttaac	ctcacctctc	acttctcctg	aaaagtcctt	tccagtcctt
19141	tactctgttc	caggaaaggg	taatagaaag	atccaaacaa	atgatggcct	cagacgtgct
19201	gggccaagc	agccccagac	acccactgtg	gcctgatctt	gccctgtgga	cccctctccg
19261	cagtacgttt	aagctggacc	agcctttagt	gggctgtgtg	gggtgcttgg	acagtcgccc
19321	cctgcctcta	ccataggaga	tctgggactg	tctttggaaa	cctcaataat	gcagggtgaga
19381	aaataggcac	agagagggga	aagaagctgc	tgatagttgc	aagttcctgg	gatgtcaggc
19441	ttgctctgcc	actccgaggc	tgtgtgatct	agtgctagcc	tcaacttagt	ttcacatct
19501	acgaaatggg	cataacaaga	ggagaattaa	ttgtgaaggt	gttctgaaag	ttttttcaca
19561	tctgtcactg	ataaacagtg	ggcctgtact	aggacctaaa	tttcttgatt	tccagcctca
19621	tactttttgt	atccatcaaa	tatgtttgat	ggagctaagg	gtgaactgtt	ctagctggga
19681	tgtgcagcca	ctctgggcac	agaaagtcct	cagccaacca	ctgtaaagt	gctgacttga
19741	ctccacacag	actttttact	atatgctgtg	gatccagtag	agaggaaatt	gtgggcagca
19801	aaaggaagtg	aaaaattgct	ccctcacccct	cagcaagggt	tcattattaa	ttcaacaaat
19861	atttattgag	gacctattat	gtgtcagggt	ttgttccagg	cactggagat	acaatggtga
19921	gccagacagc	aaagtctctg	ctctcatgaa	aattctggat	ctttcttcac	ctctgatata
19981	ctgacttatc	ctgcctaaa	gtagtttcag	cctcccaaaa	ccaagggcca	gaaggcttct
20041	tcccctccac	cctggatccc	agtcctgtct	gtctctaaat	tacagctctg	tttctgggg
20101	caaagtgcc	ggctcagcag	gaacactggc	aaggcctttg	gaagccaaag	ataacacccc
20161	tcatctcccc	gcaactcttc	cccaggagtc	gtggtcccct	tctgctgagt	tctgggcttt
20221	gtcagggatg	ggctgccttc	tgggggtctg	gctggactct	cccagagcag	ctgagcttca
20281	ggcaggtccc	ctctgccact	cttctacctc	acagagaatt	cagtcttact	cgaaatcccc
20341	agcctcaact	ttaggcacta	gctcgagcct	tcctaaaatt	tcccagtgct	cacatttcta
20401	atgccagga	ctctgctttt	gctccaagct	cagaagccca	ggtctggagc	ctctgagaag
20461	tggctgacaa	tctccagggt	tcccaggctg	ccctgttgag	atggaggcag	cctgggctga
20521	tactagagcc	ctaggatggg	cacaggtagg	cctggagttt	ggtcctgttt	ctgccacttg
20581	cttctctatg	gatatggggc	aagtcacttt	ccatctccga	gctgaggtta	cttgtttgtg
20641	tgttcattca	tccattcacg	cattccacaa	gccttttgac	tactcttcac	ctctgttgg
20701	gtcaagtctc	agctccttga	cacagtatct	aaggcccttc	acagtctgta	ccatctagga
20761	ggaagctgga	tgagaggttt	tgtttcctga	atggctcttg	ttctgccctc	tgtctacca
20821	gttcttcaca	tgcctcatct	ggaaccccag	ctggtctcct	gtgccaggca	ccctggcagg
20881	ggcacactct	gggcactctg	gcacagggaa	gctctgtctt	tctctaggaa	ttctgtgctg
20941	ctggtgctaa	cagacagggg	tttgaagac	gattttccag	ttcctgagtt	caggccataa
21001	cttgagggtg	gaagagaggg	caccgaggag	taggttattt	caagaaccag	ggagggccag
21061	ctggccaaca	ggctcagaga	ggtagcctct	gggtggacag	cccagggaaa	aaaaaagatg
21121	ggaggacaaa	gggttctgta	gaagctgaga	cctggaaagt	gacatgggca	ggttgggttg
21181	actcagaaat	tgggacttga	gggtgtctgt	gccttgggtg	ccagacttta	gaggagagca
21241	cagcttggat	gtgttgggaa	tgtatcctgt	tccatcacta	tgatttgtgt	gattagtcca
21301	gggatgggta	catggcccaa	gagtggtctt	tctgagtga	ttccagggaat	tgatcctgag
21361	cattggggaa	gagacttggt	cttttcccat	tggacatgta	tgtgggaaga	tgaagcttgg
21421	aattgctggt	agccattttt	ccatagatgt	aaagtctgag	attgaagcca	acagagacag
21481	agcagagcag	aggtacagct	agactgggca	atgtcattct	ttgagcctag	tgtaaagctt
21541	tgcttgaagc	tggctgtccc	tggctttttt	tagtttcatg	tgcccttttt	tgcttaagcc
21601	agttagaatt	tttaaaaaat	cacttgcaac	cagaagagtc	ctacctgaca	cataaccgat
21661	gataaaattc	gtcttcagaa	agatcaatgt	gataggggaa	gagccctcaa	gaaatcatca
21721	gacctcagtc	ccacaggaac	tgggtggagc	tcaattgttg	atgactgcca	tcttgtgtgg
21781	gatctaattg	gggcccact	gatctagaga	ccaacagcct	gggggcccac	gacagctgct
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21901	tgttgtgcca	catgtatctg	tgactaagag	gagatttggc	tggttactgc	ctagctctgt
21961	agcccagtca	gctcacatag	tccagggaaa	agggattagt	tagacatcag	gactgggact
22021	tggaaaaccc	atctgggggt	gaggggtcct	ctgaaagggg	tctacttaga	aataaaggcg
22081	agagaaatcc	tgtgtccctc	tgatgtccat	catagccgta	caagctgcca	ctcctggata
22141	tgacttaacc	ttttgacagc	tcttcccaaa	atggacttct	gggtctctac	ttggacaaaa
22201	gagggctagg	cagagaattc	agggcttttg	gcctgcagag	gttgaaaatg	tagcagagca
22261	gaatgaagat	taaacggaac	tgaacactgg	aacgtagtag	aattgtccct	tgatttccgt
22321	gggggatttg	ttccaggacc	tcccacagat	acccaaatct	gaggatgctc	aagtccctgg
22381	tataaaatgg	cacagtattt	gcatataacc	tatgcacatc	ctctgtatac	tttaatcatc
22441	tctcaattac	agtcattgtc	cacacaatga	tgattaagtc	gatgatgggc	tacatataca
22501	atgggggtccc	ctgagattaa	aatggagctg	aaaaattact	attgcctagt	gacatcgtag
22561	ccctcataaa	atcatagtgc	aatgcatcat	ttacatgttg	tgatgataaa	caaccattca
22621	cattgtttct	ggtgtaaaca	aacctactgc	actgccagtt	gcacaaaagt	atagcacata
22681	caattattgt	cagtgcataa	tacttgacaa	gataataaat	gactatgtta	ctggtttgtg
22741	tgtttactat	attatactat	actttttatc	attagagtgt	actccttcta	cttataaaaa
22801	attgttaact	gtaaaatagc	ctcaggaggt	cctccaggag	gtattccaga	agaggacact
22861	gttaggatag	gagatgacag	ctccatgcat	gttactgccc	ctgaagatct	tccagtgagg

FIGURE 4-G

22921	caagatgtgg	aggtggaaga	cagtgatatg	gatgatcctg	accctgtgca	ggcctaggct
22981	aatgtgtgtg	tttgtgtctt	cgtttttaac	aaaaaagttt	aaagttttaa	aattttaaag
23041	agtaaaaaaa	aagtttataa	aaaatagatg	aaagctcata	gaataggata	taaagaattt
23101	ttgtacagct	atactatgtg	tttcaagcta	aatgttatta	caaaagagtc	acaatttgca
23161	aaaattaaca	agtttacaaa	gtaaaaaagt	tacagtaagt	taaggttaat	ctattattga
23221	agaaagaaaa	aacgtttaaa	acaaatgtag	tgtggcctca	ttgtacagta	tttatgaagt
23281	ctacgatagt	gcgcagtgat	gtcctaggcc	ttcacattca	cttactgac	actcactgac
23341	tcacccagag	caacttccag	tcctgcaagc	tccatttgtt	catttttttag	tctttttatac
23401	tgtatttttta	ctgtatcttt	tctttgttta	catatgttta	aatacacaaa	tccttactat
23461	tgtgtttacag	ttgcctacaa	tattcagtat	agaacatgct	gtagaggttt	gtagccagag
23521	agcgacaggc	tatcccatat	agcctaggta	tgtggtaggc	tatacaatct	aggtttatgt
23581	gagtacactc	gcttgggtggc	gcacaaacca	atcacctaaa	gacacatctc	tcagaccata
23641	tccccattgt	taatggatgc	ttaactgtac	tgataatacc	taataaaaatg	taaatactat
23701	gtaaatagtt	gttatactct	atttcttggc	agtaatgaag	agaataaaaag	tcttttatatg
23761	tttaggatgg	atgccacttt	ttttttcgaa	tattttccat	ccacacttgg	ttgcatccat
23821	ggctatggaa	ctcttggaga	tggagggcca	actatatata	gaattgtagt	tagtggccgg
23881	gcttgggtggc	tcatgcctgt	aatctcagca	ctttgggagg	ccaaggcggg	tggatcactt
23941	gaggtcagga	gttcgagacc	agcctgacca	aaatggtgaa	accttgtctc	tacaaaaaat
24001	acaaaaatta	attgggcatg	gtgggtgggca	cctgtaatcc	cagctacttg	ggaggctgag
24061	gcaggagaat	cgcttgaacc	tgggaagtg	aggttgcagt	gagccaagat	ctcaccattg
24121	cattctagcc	agggtgaaaa	gagtgaaact	ccatctcaaa	aaaaaaaaaa	aaaaaaaaaa
24181	aatagattgt	tgtttgcctg	atttctactc	aatagaacag	aaattacctc	aatagtaaat
24241	attctatagt	tctcatttca	gatgaaaatt	cagctgttct	caacgacttt	tttgttgttt
24301	gcataaggta	tcctcaactt	tgatatgttc	taattttcat	gcatgtatct	ttcacttctg
24361	tgactgtata	ctgataactc	aaacagatac	ttcatccttt	agttgatggg	tgggtgatttt
24421	accttccctc	ttgtgtgacc	acttgctaag	tgctgctgct	tggggataaa	aggctggggt
24481	ctcacagaga	caaggggtat	gggaagcgtt	tatggtacag	ctgccccctc	ttccctctgt
24541	gtgccaaagg	aatcccaaat	tttctgaatg	cctggagttt	gtcggttgat	aacaaattgt
24601	tgtacaatga	acaattaggt	gtttgcttcc	caggcccatg	ctccccctc	caccactaca
24661	gtccttgcac	ctggtaagg	tgggaagggg	gttcagtggc	cactggtcct	agggtgatggc
24721	aagggtggtg	tcactggctg	gggatggtgg	agactttgcc	gtgccacag	ggtggagaag
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24841	caccagggag	caacagagg	atgcttgtga	aagtttttat	ctgtcaggac	ccaagatagc
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24961	cattacatca	ctgttttccc	tctgagatcc	agctacaaaa	attatcacta	gagggcagga
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25081	gggggcagtg	ctgactaatg	cttccctggt	cacaacacgc	ttagaaaagt	agaatatg
25141	tgtggcacac	tggggtcagc	taaaggggat	ttgggaatgc	ctacatggga	gctagtga
25201	aaaattcaca	ttttcttcat	gttatattat	tacaataata	tacaaaacaa	aatattaaat
25261	gttgaattta	tataatatct	taaagaaaat	catttaaata	ttttattgtt	aaacatgagc
25321	ttgcttcaaa	ttaacatgtc	ttttttatgt	agtttttaggc	ttgaaatggc	tacatggaat
25381	ttctgatcaa	gatttttaag	ttcttttttc	ttcttttttc	aaatttcatt	tgtttctaat
25441	ttttaaatgt	ttatagattt	agtgggtaca	agtgccattt	tgttacatgg	atatattgca
25501	aagtggtgaa	gtctgggctt	ttcctgtaac	tatcacttga	atagtgtaca	ttgtacccat
25561	aatcatcatt	aacaggaaat	ttgtttgtac	agatttggtga	taaaaagtta	aaaacaattt
25621	tgcacctggt	aaaaaatata	taccagttag	aatcatatag	agactataac	ggcattttct
25681	tttttcaaac	aacaaatgtg	gtattgaaat	tttttgggat	gagcattgga	tttagcacc
25741	ttcaaaccct	ttggattcta	gtgcacttag	gtaatggtga	agccctaate	tgcagaatac
25801	acatgcaatt	ttacatcaga	tatcctgcag	gcagtgtgga	ggtgactaaa	gaggctcatc
25861	tactgagaaa	gacaggaaca	gccccatata	atcgagtgc	tgttgtcctg	atttgtcctg
25921	aagggtcctg	attcattctt	ctgacatgac	atgactatcc	agagcacttc	cctttgtctaa
25981	aaaacaaaca	agaagcgtgc	cagtttgggtg	ttcatacaca	gtgtggatga	atctcgaaac
26041	attgcccaga	atgaaagaag	ccagacacaa	aaaagtacat	gctgtatgat	tccatttatt
26101	tgaaattcta	gaataggcaa	aactaatttg	tagtgatgga	agacagatga	gtagtgtct
26161	caggcagtg	tgggggtgag	tgactgcagt	ggggcatatg	gggcatttgg	ggggtaatga
26221	caacatttgt	tatcttgatc	atggtagtgg	tgacactggt	ggatcaccca	tgtatacatt
26281	tgcagaaact	catagtacta	tatagttaaa	atagatgcat	ttcattatat	gtaaattata
26341	cctcattaaa	gtcgaattta	aaaaagaaa	tatactattt	tggacaatga	attttatggt
26401	ttctgtacat	aggcgtgaag	acagattcag	ggctgccatt	tctactgtgg	ctgccagaag
26461	ctccctcctg	ctctccttgc	ccccggcccc	atccctcttg	gtctgtgctc	tgtgctcacc
26521	cgcagcaagg	gacacacact	cctccagtgg	gtttctggct	ctgtccatgt	gggagtggca
26581	ctactctcag	caagctgcca	aaggactgtg	cctcgccgct	tgggatgaga	tcactgtcct
26641	tgctgtttga	tggggccac	tcttggctgc	cctccaagga	gctgtaggtg	aggttctcct
26701	tagaggtacc	cagcctgtgc	actttgctgc	ccctctcacc	tgaggaccga	gggcatcacc

FIGURE 4-H

26761	attgtgtctgc	atgcctgtgg	cccatctgaa	gcacttccac	ggggaagctc	tggcctaggg
26821	aagggtacctg	tgctgtcccc	taaggctttc	tcatgaggct	agagtagaaa	gggggaggat
26881	ctgacataaaa	ggaagcaaat	aagcaccat	ttcttgggtcc	cagggaattg	tgggaggaag
26941	aaggagggag	gacaggagat	ggtggagagt	ggagggcagt	ggcgggggca	gtgcaaggag
27001	aaatggagcg	ggatgggaag	agaagttgag	agtggtcagc	cagatgggtc	ttaaattccc
27061	tttctgggct	ttgggtctaga	gcaagtgttg	gcgaactatt	ctgtaaaggg	ctagatagta
27121	aatgtctgag	gttcgttagga	tcatatggtg	tctgtcacaa	ctactcgact	ctgccattgc
27181	agtggaaaaag	cagccaagga	caatgggtaa	atgaataaat	gtgggtcatgt	tccaagaaaa
27241	cttaattttat	gggtggcaaa	attggaattc	atgtaatttt	catgtgtcac	aaaaatttct
27301	tcttttagatt	tttttctcaa	ccattaaaaa	tgtaaagaca	attttttttt	ttttttgaga
27361	cagagttttg	ctctgttgcc	caggctggag	cacagtgaca	tgatttcagc	tcactgcaac
27421	ctctgcctcc	caggttcaag	caattctcct	gcctcagcct	cctgagtagt	tgggattaca
27481	ggcacacacc	accacacctg	gctaattttt	gtatttttag	tagagacggg	gttttttaggc
27541	tgggagccac	tgcgcccggc	ctaaaaaatg	tagacaattc	ttagctcatc	ttcctcataa
27601	agtgggtggt	gggcctaatt	cggctgttgg	ggcatcgctt	gccaactcat	gtatttagtg
27661	tgggggggtcc	tgagggtgga	ggacttaggg	aaaggtgtgg	ctcttggaat	tctgagtgtc
27721	agcatagctg	ctcccttccc	tcactccctc	tgcccttctc	cattcaccag	gcactttatc
27781	tgtgtaaccc	acagattgta	attatgggtt	ctcaggcctg	caccccaacc	caggggctgt
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29041	aacacagaac	aaggaggtaa	gggtaggact	ggaaccaca	ttgctgggct	ctgcattcag
29101	catgtttacct	gctacacaat	agtgaattca	gagtttcatg	cttttagtatt	ttgatttcag
29161	tagtgccatg	gaaataacca	aatctcacct	gtccaagtgc	tctttgggca	cagccccatg
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29281	tcaagagact	ggagtttacc	tttaaccagt	tcttttagata	ataaagctcc	gtgactttag
29341	gcaaattggct	taacgcctcc	gggtttacct	tccttatctg	taacatgtgg	tagctacaca
29401	agatatattgc	taacagcctg	gccttctatg	atgtgggacc	actgcttgcc	ttctagaac
29461	cttcagacct	gtagatgggc	tcttcttRa	cattctggag	tccttggggg	aaagggaagt
29521	ctgMagctca	gttggccacc	tctgcataac	aaataccgag	agcactgcaa	gtggagcttg
29581	gacaaggtct	ggaaaatcag	ccttcttctg	gatgcctcca	gcctttgcta	tcatctgcct
29641	aggagggttg	aagt tactca	agcggctcaa	ggaaaaggta	ttgtgagcat	gcaccaggtc
29701	atgtgatttg	aagggtctatc	tgctcctggc	ctgaggccag	cacccaaagc	tgccacatc
29761	tcccagggac	agcagcatct	ttcttcttta	ctacattctc	tctcctctca	tcttgattgg
29821	cttctctg	ctgtacatgg	ctaactttgc	taccagccag	agtgggagta	accacagcc
29881	cctaagtccc	ctccagagag	ggctgtcaac	agggctggct	gctgagctgg	ggaagggtgg
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30301	taagctgggt	atcatccagc	ttcttacctc	ttccaataat	tattgacttc	tcttgtcctc
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30421	atttcattac	ttttacttta	gtgggtgtca	ggatggaaatg	gacataccac	atgtgtttac
30481	acccccatgt	ttcattagaa	atcctagtca	ctgttcaaca	cattctctca	gtcccatcag
30541	tcctttgaag	ctgttcttgt	caaggacacc	accattttcca	tgttgccaaa	tctcttggtc

FIGURE 4-I

30601	acttttgctgt	ctgtcttcat	aatactcagt	ctctcagcag	cattccacac	acttgaccac
30661	tcttgaaaaa	cttgcttctt	ttgaccttca	tgataaacaca	tgcttctgat	ttgtctgcta
30721	catccactga	gcatgcttca	ccctctcttg	ctatatcttc	ctcttctggg	aattcccatg
30781	gactctttct	ttggtcctct	tcttttctct	atctatacac	tttccctagc	tgatctcatc
30841	tagtcctagg	gctttaaata	ctttctatat	accaatgact	ctcacatatt	tatctgcagc
30901	cttgatagct	tccttgaatc	tcaactatct	acttctccca	gacatctcca	tttggatgcc
30961	taatagcatc	ttaaacttaa	ctgggcaaac	ctgaactctt	gattttcacc	gccaaaccag
31021	ttccttctta	gtattttcca	tcaaagtcac	gtcatacac	tgagtggctg	aaggccaaaa
31081	ctcaggatca	tgcttcactc	tgctcttcct	ttctcctttc	ccatttacta	tgtagcaag
31141	ccctgtcggg	gcctccatga	tatatgatta	gtgagtctgc	ttctccattg	ccactgctga
31201	ctgactgctc	ctgtcaaggc	caccatcatg	tgttgccctg	gctattccag	ttgactcctg
31261	agtggtttcc	tggtctccac	tatggccctc	caaggatcca	ccttccgcat	agtagccaaa
31321	tgatttccatt	aaacatgtct	atcagggttat	gccactcctt	tgtttaaaat	tttccagtga
31381	tttctgtttg	ccttaaaata	aatttcacac	ttcttaccaa	ggcctctgct	cctctgcaaa
31441	ctctttctct	tctttttaga	gatgaggctc	tactattgcc	caggggtggg	tgtagcagct
31501	tcacatgttt	tcactgcagc	ctcaaactcc	caggccctgt	ctcagcctcc	caagtaacta
31561	agtcaaacagg	catacccccac	ctcacctggc	taattttttt	taaaaaagag	atttggtctt
31621	actatgtttg	ccaggctggg	cttgaactcc	tggcctccca	aagtgtctgg	attatgggtg
31681	tgagccactg	tgcccagcct	aaactccttt	tttttttttt	tttacacagg	cttaatccac
31741	tatggccctt	ctggtcatct	cccattcccta	ccccaggacc	tttatacttg	ttcttccctc
31801	tgcccaagaa	ggaagactgc	agccacaatc	ttgatgctta	ctgcagccac	aactcctcat
31861	cattcaggtg	caagctcata	cattctcaga	gaggctctct	tagtctattt	tatctaaggt
31921	aggaaccctt	tctcccaaat	catttgctag	aacagtggtc	ccccaccttt	tcggcaccag
31981	ggactgggtt	catggaagac	aatttttcca	ggaatgggtt	tgggatgaaa	ctgttccacc
32041	tcagatcatc	agggattaga	ttctcataag	gagcgtacaa	cctagattct	tccatgtgca
32101	gttcacaata	gggttcgcgc	tcctatgagt	atctaattgcc	accactgac	tgacaggagg
32161	gttgctctct	gtgctaagt	gagcgtagag	gagaggctgt	aaatacacag	gaagcttcac
32221	ttgcttgctg	gcccacagct	cacctctctc	tgtgccaccc	agttcctaac	aggccatgga
32281	caggtactgg	ttcatggccc	tggggaccgg	tgctctagaa	catcactttg	ttttgcttgt
32341	cttaaaaaat	tcatagtagg	tatcattatc	caaaattatt	ttatttggtt	acttgcatac
32401	cagctaactc	tccccattaa	aaaattggact	ctatgagaaa	gggtccttgc	ctgcatttgt
32461	catttttcat	atctttatct	accacagtgc	ttggaatata	atagggtgct	aatacatata
32521	tgtacaataa	atgaatgaat	gaccagttaa	gctaaaggga	ctaggagtag	agacagtccc
32581	tgagaggggg	gatgtgggta	gaacaggcat	tccacagcgt	gtctcttgaa	cttttgcttc
32641	attctaggcc	agagtatgac	acaaagtctc	ctaattttat	aaagggtcag	taagcacaaa
32701	ttgaagggaa	aggtgagggc	aggggcagtg	gatgtgggga	gcgtgggaca	gctcaggaaa
32761	ggtgcagtac	gtgttgctct	gcaaaagtatt	tgctccattc	ttttgtccca	agccgcacag
32821	cttttccatt	gtgacattct	gtaactttct	ggaaattttt	tttttatggc	ccttgggtaa
32881	ttttccacgt	ggtcagccag	ctccgtcaag	tgcaatgggtg	aggagtggga	ctcagaatgg
32941	ctgggaggcc	ccgagaccat	cagacaggga	agatgcatgt	cgtttgcacc	cggcactgac
33001	ttccagctcc	cttttgcgta	ggaggctcct	ggactgtgac	atacaggatg	ttcctgtgtg
33061	gctcttttta	aggaagccta	tttttctccc	atgttaaaac	taaaaatctg	ggtctagctc
33121	ggagcagatg	ttaagagcac	attctctcta	agagtgtggg	ctggagtgtg	ggcaatggct
33181	atttatcacc	gtttcctttt	ctttgtgttt	ctctgtgggt	attgaagttt	ttggtttggg
33241	gaaaaacaac	aaaaacaaaa	atagcaacat	atttatgaac	aaagaagaga	gctaaaaact
33301	aacatctgga	agagaggaaa	gaggggagta	aggtgcctga	aaataatttc	ctttaggagt
33361	gactggaggc	ttcaggggga	tcacagcact	cctgtggaat	ttttacagaa	ctaagggaagg
33421	ctggagtcag	ccaaactttt	gaaacctcag	catcctaaac	ctcaactctt	gtgcccctga
33481	gaagagcatg	agccggccaa	gccctgggtg	cggttccccc	aggacctccc	acttccctcc
33541	tgatgtgcct	gcagtctctg	agctgtgatc	gcctcttctt	tagcttctta	gaaaagaggc
33601	ggcacaagaa	aaacgctcag	tcactttgca	gagacttggc	atctctcagc	aacacgttct
33661	ctctttctct	cttttctttt	ttccttttag	atggggtctc	gttctgcgcg	caggctggag
33721	tgacgtgggtg	tgatctcggc	tcacggcaac	ctctgcctcc	tgggttcaag	cgattctcct
33781	gcctcagcct	ccggagtagc	tgggactaca	ggcgcacacc	accatgccta	gctaagtttt
33841	gtattttttg	tagagacggg	gtttcaccat	gttggccagg	atggcctcga	tctcttgacc
33901	ttgtaattcca	cccgcctcgg	cctcccaaa	tgttgggatt	acaggcgtga	gccaccacgc
33961	ccggccgaca	cattcttatt	aacttgatgg	cacagttggc	tggcagggtc	ccaggtcatg
34021	ttctcagtga	ttggagtctt	tgctgtttct	tggactcctt	catgtctcac	ccagtcctaa
34081	gtcccttcct	tgcttcttaa	tttaatttatg	tccttgtgta	atatgtggca	caccacata
34141	gccatgaggc	atgttcaggc	tgtgtttttt	aatgttctgg	cttgttctac	atttgccaag
34201	tgggcaagga	cagcagttac	ctgattggct	ccatttgggc	agcagaacct	aaacagtgc
34261	tacctgttgg	aatccacctg	gcctagggtat	cttttgtttg	tttgtttaaa	taacaacaag
34321	catttcttat	ggtgttttgt	tttctcctga	actctgtaaa	gacaatggca	acacagaggt
34381	cagtctagaa	tgactatact	ggcactagga	gatgagaact	atacaagtgg	aattaagcaa

FIGURE 4-J

34441	atgtatagac	acaaaatcat	cacaaaaagg	gtgaagtgtc	gttcagttat	tgatgccagt
34501	cctctttctc	taggggactg	tgacagctgt	agccagatgt	gtccaggaga	ttatctctgt
34561	cctgattctg	tcagcatcct	cttcatttat	tgtctggttt	tgcttctaag	tcttctcttg
34621	catctcaagc	tgtctgcatg	ccatactgtc	tgcatgaaa	tgatttgctt	gcttaaaatg
34681	agtcttggcc	agggtcgagt	gctcacgcct	gtaatcccag	cacttcggag	gccaaggact
34741	cctgaggtca	agagtctgag	agaagcctgg	ccaacatggt	gaaacctcat	ctctactaaa
34801	aatacaaaat	tagccaagtg	tggtggcaca	tacctgtaat	cccagctgag	acaggagaat
34861	cgcttgaacc	cgggaggcag	aggctgccgt	gagccgaggt	gccactgcac	ttcagcctgg
34921	gcaagacaga	gggagactct	gtctcaaaaa	aaaaatgggt	cttaatatac	atagtgggga
34981	attctcagtc	tctccatcag	cagggtgctga	aagctcacaa	taaaggagaa	aattttcaat
35041	agctgttttt	ttttttaaga	gatgggggtc	tgttctgtta	cccaggccag	atgcagtagt
35101	gtggtgatca	tggctcactg	cagcttcaac	ctccctgggt	caagtgatct	tcccgcgtca
35161	gcctcccaag	tagctaggac	tacagggtgtg	tgccaccaga	cccagggtgat	ttttaatatt
35221	ttatagacat	cttgctatgt	tgctcaggct	ggtctcaaac	tcttggtactc	aagcaatccc
35281	gccatcttag	cctcctgagt	tgctgggatt	ataggcgtga	gccactgctc	ccggcccagt
35341	agtcattgtt	ttgaggaagt	ttatttttat	ccagtatggt	tggtctctgca	tgggttccct
35401	aagatactag	ggactgtctt	tgggtcacaa	agccagcatg	acactaacat	gggtctcaat
35461	atcctttgct	tgatagcttt	ggacctgaac	atcacctgac	agctccacac	actgtgttct
35521	ggcttgttcc	taatcctgcc	agttcctgac	ctgccattgt	tccatgtttg	gcttcacctt
35581	gtcttttgca	cctgacattt	gggtccgtgt	gctggctcta	ttccacctat	ggcaacctga
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35701	tggcttctac	cagccttgct	cagtttgagg	gcattggccta	gacacctgtg	aggtctctctg
35761	cctgcctcca	gctgtgcccc	ggattggctt	ctctcagct	gtgcctcatg	ctgggccaca
35821	tcatgggagc	aggctggtca	gcaggggtgg	atgctgacct	acaaagggct	ccttactgcc
35881	aaaagtcatt	gattccccat	ccttctggtc	taccattaaa	catctgtagc	cacttaggggt
35941	tttgactttt	aactatttct	tgaccacata	cctccattac	cctccagaga	gcacctttt
36001	agaaaataaat	gtaatagtta	ctacatttgt	tcaatgattt	acagtcaaca	gagcatttta
36061	gtatattcac	atgtattatc	tcatttccat	actttctttt	tttaagcaaa	cataaaataa
36121	ttttatcaga	tacaacaaaa	attaaaaaat	aacaaaagta	tcacatataa	tgttatattc
36181	ccattttaaat	ataacataga	aaaatactac	aaaataagaa	atacaaaacc	aaaacctaga
36241	taagattttta	tttattatga	tgggtgtgct	tgctgttca	taagttcatt	ccagttctgga
36301	acacaggaag	ataatgctac	ccacatagct	gctgcaccat	ttgatccatt	tgttctgtgt
36361	gcttttaact	gagttaagat	agaaaaccct	agttcacaca	aactagttgt	tgtgaatgggt
36421	agtaaatagta	ggacactcct	tctacttaac	aaaggaaaagt	cttcctttac	cttaattcaa
36481	aatgctgata	aatttaagggt	ctcataatca	ttcttcaatg	tatatgaaga	actaaactaa
36541	gataattcat	tctcttcttc	aggcaccagt	tattaactaa	gcccagttat	tgatttctggg
36601	tttcaaaaag	caaaactgatt	gttttttttt	ttttttgaga	cggctgccag	gcttgactgc
36661	agtggcacga	tctcggtcca	ctgcaacctc	tgcttcttag	gttcaagtga	ttcacctgcc
36721	tcagccttcc	aagttagctgg	gactagaggc	gcacaccact	acaccagct	aatttttgta
36781	tttttagtagt	agacgggggt	tcaccatggt	ggccaggatg	gtcttgatct	cctgagctcg
36841	tgatctgccc	gcctcagcct	cccacatgct	tgggattaca	ggcgtgagcc	agggcacctt
36901	gccgcaagcg	gatcttttac	ccaactattt	tccctgaatg	tttcaaat	tcttctgga
36961	aagaaatgggt	taaaaatgtg	agatagagaa	gtgagattca	acaatgtctc	taattttatt
37021	tctttcaaaa	tgtttccatt	aataatattc	tcttcaatat	gttgcaaaaa	tcttggaaac
37081	gtagtagcta	ggacagttac	ttgtaagtct	tgcttgccat	aacaataatg	tctttcgaaa
37141	tccctggata	tgtctgacat	gttggaatc	atcactgttt	ttccccgtg	gttttaaatt
37201	cagttttatta	agaataccaa	aaataccagt	taaatatgcc	aattttttta	tccaaatgtc
37261	atcttcaaaa	atatttgcca	aatgagattt	ttttcaatga	gaaaaaaagt	caatctgatt
37321	cctgagctca	taaaacctgc	ttagtatttt	cccttgagac	aaccaacgaa	ctttgggtatg
37381	acacagaaag	tgggtatgggt	tagttccaat	ctctgaacaa	aacgtttcaa	gaagctgggt
37441	attcagtgag	tttcctttta	taaaactgac	aacttcactg	catttttctag	tacttccatg
37501	agatactgtg	gaatttctct	ggatgctaaa	ccttcatgat	gtataaaaca	atgattccac
37561	acagtacaac	tattagtcac	ttctagtaat	tttttaatga	ctctgctgtg	ttttccagtt
37621	acttttgctg	tgacgtcacc	tgcaattcct	ttacagtttt	tccagtttaa	tttatattga
37681	ccaactctgt	gcctttctaa	tctctgtaaac	atatctaata	tacttgggta	tgagggtaaa
37741	cttaaaaaaac	acaaaagacc	ctccataaaa	tcacttttcc	acgcataatc	gacataaact
37801	gaatgtcttg	tgacgtgcc	aatatcatca	gtgctttcat	cacactgctt	tgcaaaatct
37861	ataccagact	gttatggagt	aataagcatt	gtttctaaac	gttctgcaat	actacaaatc
37921	caaagagata	attgtgttat	cattagatat	agtttttaat	ttatcagcta	atttctcatc
37981	aaaaatcata	tgcatgttat	ccaaacatgc	tggagaata	attttttctag	cagctgtgtt
38041	agctatgttc	tttttgccac	atgatatgca	actaaatatg	atgatacggc	tctctcacta
38101	acagtagtag	aacaactaag	aaattgtgtt	gatcatttta	tgtcttcttt	ctttcttctga
38161	aaatattcaa	gaggcttatc	aataagttca	gcatgctgaa	tttctaagtg	ccttttttaat
38221	ttaggtttta	agctttcatt	tgcaagaata	ttattacaaa	taacacactg	aggtctgtca

FIGURE 4-K

38281	ttttcagtg	gcttttcaca	tttgataaag	ccatatttta	agtaatcata	atagcgtctt
38341	gcacttaagt	ttttcttttt	gaaatgaggc	tcaaatgaag	tttcagtttg	cagatttagag
38401	tctgtatttt	tctcagtatt	gtcactattc	acacttccaa	attcaacaga	tgaacttcag
38461	catgcttctg	tatatttcat	ttcatgattc	ctctttcttt	taataaagaa	attatgcatt
38521	taatagcaat	tttttccagt	ttgattaaaa	tggtataaatt	ggtactaact	caaaaaagaa
38581	gaaaaaata	cacatatata	tagttttaa	gacatctttt	caaaaactac	actcaaagtt
38641	tgcaattgaa	tctcagttga	ctatctccag	tttcaagtca	ttgtaatata	aaacttgact
38701	gcacaacatt	cactttgcta	atatgaaaac	caagcgagac	acccaagagc	aaatgactga
38761	aaaccacttc	ttagccaaca	tacattgtat	tcatcatatc	ccctccatca	aatacctttc
38821	tcacatatgg	aaattgacct	cactattcct	tgcaacatgc	acaattcagg	caaaggatcc
38881	atgcaaagca	ctttgatatt	ttacactttt	taagttatac	tttaagttct	gggatatacg
38941	tgcaaaatgt	gcaggtttgt	tacatacgt	tacacatgcc	atggttgatt	gctgcaccca
39001	tcaacccgct	atctacatta	gatattttct	ctaattgctat	ccctcccca	tccccacc
39061	ccaacaggcc	ccagtgtgtg	atgttctcct	ccctgtgtcc	atgtgttctc	attgttcaac
39121	tcccacttat	gagtgagaat	atgtgtgtgt	tggttttctg	ctcctgtgtt	agtttgctga
39181	gaatgatggg	ttccagcttc	atccatgttc	ctgcaaagga	cataaactca	tcctttttta
39241	tggctgcata	gtattccatg	gtgtatgtgt	gccacatttt	ctttatccag	cctatcattg
39301	atgggcatgt	gggttggttc	caagtctttg	ctattgtgaa	cagtgtgca	ataaacatac
39361	gtgtgcatgt	gtctttacag	tagaatgatt	tataatcctt	tgggtatata	cccagtaatg
39421	ggatcactgg	gtcaaattgt	atcttctggt	ctagatcctt	aaagaatcgc	cacactgtct
39481	tccacaattg	ttgaactaat	ttacactccc	actaacagt	taaaagcatt	cctatttctc
39541	ccatccctct	ccaacatctg	ttgtttcctg	actttttaat	gatcaccatt	ctaaactggg
39601	tgagatggta	tctcattgtg	gttttgattt	gcatttctct	aatgaccagt	gatgatgagc
39661	attttttcat	atgtttattg	gccacataaa	tggtttctat	tgagacgtgt	cctattcata
39721	tccttcgctg	actttttgat	ggggtgtgtt	tttctgaggg	ttgcctgttt	actctgatga
39781	tagtttcttt	tgctgtgcag	aagctcttta	gtttaattag	atcccatttg	tcaattttga
39841	cttttgttgc	cattgtcttt	ggtgttttag	acatgaagtc	gttgcccatg	ccatctgctc
39901	gaatgggtat	gcctaggttt	tcttctaggg	tttttatggg	tttaggtcct	acatctaagt
39961	ctttaatcca	tcttgagtta	atttttgtat	taggtgtaag	gaaggggtcc	attttcagtt
40021	tactgcatat	ggctagcctg	ttttcccaac	accattttat	aaatagggaa	tcctttcccc
40081	attgcttggt	tctgtcaagt	ttgtcaaaga	gcagatggct	gtagatgtgt	ggcatttatt
40141	tctgaggcct	ctgttctgtt	ccgtttgctt	atatgtctgt	tgtagtacca	gtaccatgct
40201	gttttggtta	ctgtagcctt	gtagtatagt	ttgaagtcag	gtagtgtgat	gcttccagct
40261	ttgttctttc	tgcttaggac	tgtcttcaact	atatgggctc	ttttttgggt	ccaaatgaaa
40321	tttaaagtag	ttttttctaa	ttctgtgaag	aaagtcaatg	gtagcttggt	gggatagaca
40381	ttgaacctat	aaattacctt	gggcagcatg	gccattttca	cggatttgat	tctgtctatc
40441	catgagcatg	gaatgttttt	ctattgtttt	gtgtcgtctc	ttatttcctt	gagcattggg
40501	ttgtagttct	ccttgaaaag	gtccttcaca	tccttcgtaa	gttctattcc	taggtatttt
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40621	attggtgtat	aggaatgcct	gtgatttttg	tacactgatt	ttgtgtcttg	agactttgct
40681	aaagtttctt	atcagctaag	gagattttgc	gctgagatga	tgggggtttc	taaatgtaca
40741	atcatgtcat	ctgcgaagag	agacaatttg	acttcctctc	ttgttatttg	aatacccttt
40801	atttctttct	cttgccctgat	tgccctggcc	agaacttcca	atactatgtt	gagtaggagt
40861	ggtgagagag	ggcatccttg	tctgtgtccg	gttttcaaag	ggaatgcttc	cagtttttgc
40921	ccattcagta	tgatattgcc	tgtgggtttg	tcataaatag	ctcttattat	tttgagatac
40981	gttccatcaa	tacctagtgt	attgagagtt	tttagcatga	aggggtgctg	aattatatca
41041	aaggcctttt	ctgcatctat	tcagataatc	atgtgttttt	tgctattggg	tctgcttatg
41101	tgatggatta	catttattga	tttgcatatg	ttgaaccagc	cttgcatccc	agctatggag
41161	ccaacttgat	cgtgtgggat	aagcttttgg	atgtgctgct	agatttggtt	tgctggtatt
41221	ttattgagga	ttttcctatc	aatgttcatc	agggatattg	gcctgaaatt	ttctttttct
41281	gttgtgcctc	tgccaggttt	tggatcagg	atgatgctgg	cctcataaaa	tgagttaggg
41341	aggagtccct	catcttctat	tggttggaat	agtttcagaa	ggaatggtag	cagctcctct
41401	ttgtccctct	ggtagaattt	ggctgtgaat	ctgtctgggt	ctgagctttt	tttggttggt
41461	aggctattca	ttactgcctc	aatttcagaa	cttggtattg	gtctattcag	ggatttcaact
41521	tcttctctgt	ttagtcttga	gaggggtgat	gtgtccagga	atttatccat	ttcttctaga
41581	tgttttagtg	tatttgcgta	gaggtgttta	tagtattctc	tgttggtagt	ttatatttct
41641	gtgggattaa	tggatatac	ccctttatca	ttttttattg	cttctatttg	attcttctgt
41701	ctattcttct	ttattagtct	ggctagtggg	ctatctattt	tgttgatctt	ttcaaaaaac
41761	tggctcctag	attcattgat	ttttttgaag	gggtttttgt	gtctctatct	cattgctgct
41821	ctgatctcag	ttatttcttg	tcttctgcta	gggtttgaat	ttgtttgctc	ttgcttcaact
41881	agttctttta	atttgtatgt	taggtgtctg	agtttagatc	tttctgtgct	tctctgtgg
41941	ccattaagtg	ctataaaatt	ccctctaacc	actgccttag	ctgtgtccca	gagattctgg
42001	tatgttgtgt	gtctgttctc	attggtttca	aagaacttat	ttatttctgc	cttaattttg
42061	ttattttacc	agtaggcatt	caggagcagg	ttgttcagtt	tctatgtagt	tgtgcagctt

FIGURE 4-L

42121	tgagtggatt	tcttaatcct	gagttcta	ttgatttcac	tgtggctga	gagactgttt
42181	gctatgattt	ccattctttt	gcatttcctg	aggagtgttt	tatttccaat	tatgtggctt
42241	attttagaat	aagtgtgatg	tggtactgag	aagaatgtat	attctattga	tttggggtgg
42301	agagttctgt	agatgtctat	taggtctgct	tggtccagag	ctgagtttga	gtcctgaata
42361	tctttgttaa	ttttctgtct	cgttgatctg	ccagtggggt	gttaaagctt	ccccctatta
42421	ttgtgtggga	gtctaagctt	ctttgtaggt	ctctaagaac	tttatgaatc	tggtgtctcc
42481	tgtattgggt	gcgtatatat	ttaggctagt	tagctcttct	tgttgcgttg	atccccctaa
42541	cattatgtaa	tgcccccttt	tgtcgctttt	gatctttgtt	ggtttaaagt	ctgtttcatc
42601	agagactagg	attgcaaccc	ctgctttttt	tttttttctt	tccatttgct	tggtaaatat
42661	tcctccatcc	ctttattttg	aacctatgta	tgtctttgca	agtgagatga	gtctcctgaa
42721	tactgatgcg	tcttgactct	tcacccaatt	tgccagtttg	tgtcttttaa	ttggagcatt
42781	tagcctgttt	acattttaagg	ttagtattgt	tatgtgtgaa	tttgattctg	ttattatgat
42841	gctagctggt	tattttgccc	gtcagttgat	acagtttctt	catagtgtcg	atggtcttta
42901	caatttggtg	tgtttgagct	ggctgggtact	ggttgttcct	ttccatgttt	agtgtctcct
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43021	taaaggattt	tatttctctt	tcgcttatga	agcttagttt	ggctgatatg	aaattctggg
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43141	ggtttctgca	gagagatctg	ctgttagtct	gatgggcttc	cctttgcggg	taacccaacc
43201	tttctctctg	gctgccctta	acattttttc	cttcatttca	accttggtga	atctgaggat
43261	tatgtgtctt	gggtttgctc	ttcttgagga	atatctttgt	gggttctctt	gtatttctctg
43321	aatttgaagt	ttgacctgtc	ttgctagggt	ggggacgttc	tcctggatga	tatcctgaag
43381	agtattttcc	tacttggttc	cattctccct	gtcactttta	ggtaacatcaa	tcaaatgtag
43441	gttttgtctt	ttcacatagg	tccatatttc	ttggaggctt	tgtttattcc	ttttcattct
43501	tttttctctc	atcttatctt	cacactttat	ttcattaagt	tggctttcaa	tctctgatat
43561	cttttcttcc	gcttgattga	ttcgggtatt	gttacttgtg	tgtgcttcac	gaagttcttg
43621	tgctgtgttt	ttcagctcat	ttatgttctt	ctctaaactg	attattctag	ttagcaattt
43681	gtctaaccct	tttcaaaagt	cttgactctc	cttgcatggg	gttaaaacat	gctgtcttag
43741	cttgaggagg	tttgttatta	cataccttct	gaagcctact	tctgtcaatt	ggtcaaaactc
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43861	aggcattctg	gtttttggaa	ttttcagcct	ttttgactg	atttttcctc	atctttgtgg
43921	atttatctac	cttcagctct	tgtatgttgt	gatcttcaga	tggggttttg	gcgtggacgt
43981	cctttttgtt	tatgttgatg	gtattccttt	ctgtttgtta	gttttccctg	taacagctag
44041	gcccccttgc	tgcatatctg	ctggaatttg	ctggaggctc	actccagacc	ctgttttctt
44101	ggttatcacc	aatggaggct	gcagcacaac	aaagattgct	gcctgtttct	tcctctggaa
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44401	cccagatgc	tctgtccag	ggagatgcga	gctttaacta	taagcctctg	actagggtctg
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44581	ttacactatg	aggggaaaac	tgcctactca	agcctcagta	atgggtggatg	ccccccccc
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45121	taaccagtcc	cagtggatg	agctggatag	ttcatttggg	aatgcagaaa	tcacctgcct
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45241	gccacctaca	tttatttttt	tttttaagtt	tattgtgact	cacagaatta	atttcatgcc
45301	tcactaatgg	gtcacacaca	tagtataaaa	aatactcata	gagagacatg	ttgtgccctt
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45421	gactgttgac	tcgtataaga	atatcttgaa	gtggtaggaa	tgtatcttaa	attttcatte
45481	ctgatacttt	ttcatgggaa	gcgtttttta	gagtgccagc	tatgctctga	tctagtggg
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45601	atggaactct	cctggagctg	atccttgacc	tccagctcag	ctgctgcgac	ccggctaggc
45661	ccaggaccac	aagcctcaca	tctctccagt	ggagctgcca	ttggccttgc	ccccgattcc
45721	ctctgaaaca	ccacgtcccc	atacttcttt	ctaatttctt	ttgcaaagaa	gactgaaagc
45781	cagcttatct	agtaggcaca	ttagggcaca	gccctataaa	aaagtattaa	ttttaatttc
45841	ttttaaaaaa	agaaaaaaat	gaatataaaa	tatataacaa	cgaacccaaa	ctggattata
45901	tttgtcttta	tactcatgaa	ttcataaaa	ataattttta	gtattatttt	atggagggaag

FIGURE 4-M

45961	gagctcagaa	agacaaacgt	attggggact	cacaaaagcc	ataaataatt	tggccctgat
46021	attggccctg	ataggaccct	gactcattgg	ccatttttgg	gcattgactt	gctgtgtaaa
46081	tttggatatg	tttcttaata	taagggtttt	ttttttctgc	cagaaaaatg	ggaagaaaaa
46141	tttctgtacc	cgcttatttc	ccagggtttt	tgtaaagaca	aaggtaataa	ctctgacagt
46201	gtctaaactt	ttcagaagat	tggtttatat	aataggacta	tttcaattgc	acataacagg
46261	tatccatctc	aaatcaacat	agaaagaaag	gaaatatatt	ggtgatcata	actgaaaact
46321	ctaggtttca	gctttaagtg	tagctggctc	aggaaaccca	aaaattttgc	caggaatctg
46381	tttctctctt	ttcctctctt	gtgggcctgc	ttctctctat	gatgaatttc	tttcttagca
46441	cacttttccc	acatgttgaa	agaatctcaa	agactccagg	ttttcagaat	ccttaagctt
46501	gtgacctcag	aagaagagac	tcctcctaga	gccccccctg	ttcctcagag	gactccaact
46561	gctcattgct	tgggcatctt	ggacatccct	gtgtccaggg	gatgggtctt	ctgtctggcc
46621	agcttgatcat	atttgccctt	cttcctccct	attacttgag	tggcagtcct	acaagtctcc
46681	cttgaagaca	agggcagaac	cattttctaag	tgaagaaaca	caagcagacc	aaataacatg
46741	tccattccag	ggctgatcag	tctgaggcat	tgtaaaaatt	atccctcttg	caggacgtta
46801	gaaccaattg	agattcattc	agaacctcta	cttaattttc	cagatgtgag	ttctgtgtgt
46861	gaccatcagg	gtttagtaga	tactgcacag	actcatttaa	ttgtcacaaa	acctgtgagg
46921	caattatttag	ctctacttct	acagataata	aatgtaaaaa	attattgaga	gcttgccata
46981	aactaagcac	tttgctaaaa	accctacata	tatctaataa	aaattccatg	aggtgctgag
47041	tctgttgagg	ttcttttagat	tgtaagcaac	agaaacccaa	tctagctagt	caggaaaaga
47101	acaaatgaat	tgaaggatg	atagagtatc	taatggatag	cctgtcagag	gaaggattga
47161	acaatcaaaa	cttgaagga	caagaaccca	ttcttgccctg	atcttgtccc	cttaggaggt
47221	gaatttgggg	ttaaaccctg	tcgaacctg	ctagctccta	gccccattta	tcaactctgtt
47281	ccaaatacca	cgtttcagg	tgggagaatc	tgattggcct	atcttgggtc	aggtgtatat
47341	ccctggacca	atcagggtga	aggacctgt	aacataggca	tggccaccag	gctctctcag
47401	gtttatatag	gagctgtgct	cagagaaatg	gaatccctgt	gagctgattg	gtcactcaaa
47461	gggagataac	tgcaagcaca	caattctatc	actcagggct	ttggcacatt	gaaaagtggg
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47581	atgttgcagt	atcttggggc	tagtgagtat	gggagctgtt	accatcccag	gcctgaaggg
47641	gaaagaggag	gtagtggctt	ctggaaccta	tggaaagagc	tgtcaaaagg	ctgcctgaaa
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47761	ccaggggaa	aagcaccag	atgtcactct	cctcccacct	tcccatttca	tgggtgcaac
47821	tcagaagccag	agggcaaagg	agtcctctga	tgtgtgtcat	ataggccatc	ctcctgggac
47881	acagggtcagg	gtagagagga	atgagagcac	atatggaagg	gcaaatagaa	gacatccaag
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48541	catctgtctt	gcctcctggt	tcctgccact	gcttagagcc	cccagacaag	agcacttcca
48601	atcagggtatg	cagagggaaa	tatcattaac	agttataata	ttatctgtat	ggttttattt
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48841	cctaaggtga	cataattaat	agacagcaga	tccaagattt	gaaccagat	ggactggctc
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48961	aatagttgac	tctagacact	cttctcccct	ttcaaagtga	aattttgatt	tgtttatgga
49021	atgggggtgtg	gtggagacta	ctagtgtcca	ccaaatacca	atgtgttcct	ataaagtc
49081	tattttctgtt	gcagttgatt	tggagttatg	tgatgtgtag	cccatcagaa	gtaagcagaa
49141	aactttgtgc	cgttttctRt	cctggaaata	acacccccgc	cccctggccc	cgctgcatta
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49321	gcctttgtag	gtgacatgag	tgagaaataa	acctttgttg	ggttagactg	ctaagattta
49381	aacttaaaag	tgttttttta	atgttttagt	tttgtggcta	catagtaggt	gtatatgttt
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49501	atggagtatc	atcacctcaa	acatttatct	tttctttgtg	ttacaaacaa	tcccattaca
49561	cagtttttagt	aatttaaaat	atataattaa	attatYgtta	atgatagcca	ccctgttcta
49621	ctgtcaaaat	ctagatctta	tttctttcta	ttttttgtac	ccactgatga	atctctcttc
49681	ccccctaccc	caccaactac	ccttccagcc	ctcagtaacc	atcattctgc	tctctatctc
49741	catgattcaa	ttgttttagt	ttttagctct	cacaaataag	tgagaacatg	tgaattttgt

FIGURE 4-N

49801	ctaactgtgt	ctggcttatt	tcacttaaca	taatgacctc	cagttctatc	catatttttg
49861	caaatgacag	gatctcattt	atttaatgac	tgaatagtac	tccattgtgt	atatgtatta
49921	cattttcttt	atccccttgt	ctattgatgg	acacttaggt	tgtttccaaa	tcttggtat
49981	tgtgaataga	cactaagatt	tttgagttaa	tttattacta	gggtatagtt	tatcatacta
50041	tgactaatat	aaatatcata	ctaagacaga	tatagggtaca	ttgaaatagg	gcactgctat
50101	aatagctgat	ggtgtgctga	gaggaagcct	ggtgYtgag	accagaaata	tgtaaatgca
50161	tgttatgttg	tgccaaaata	tttStaacca	atctaacttg	ggaggcaagc	ttcatattta
50221	cttatatggc	atctctagga	aaagagactg	aaaaacagaa	cattagtaga	tggtgtggct
50281	actatttctg	catttggtcaa	gtattacaag	aaaacttcag	aataggactg	gccagagact
50341	tgacagaatg	acaatacatg	atccaactat	atgctgcata	taagagacac	atKtttgatt
50401	Maaaaacaga	aataggttca	aggtaaaaga	atggaaaaaac	atataatcagg	caaacagtaa
50461	ccaaaagaaa	gctggagtgg	ctatactaata	atcagacaaa	atagacttta	agacaaaaat
50521	tgttatcaga	gacaaagaac	agttttataa	ttataaataa	atcaatttgt	caagaagata
50581	taaaaattat	aaacatatat	gcacctaaca	acagagaccc	aaaatacatg	aaacaaaaac
50641	tgacagaatt	gatacaataa	tggttgaaga	cttcaatata	ccactttcaa	tcatggatag
50701	agcaactaga	cagaaaatca	atatgggaat	agagactaaa	taccaatata	aacatactag
50761	atctaatagc	aatataaccc	ttcactcaga	aacaactgac	tatacattct	tcttaagtgc
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51121	taaacaccca	aattgaaaaa	aggacaaaga	actcatatta	gtaacctaaa	cttctacctt
51181	aaggaactag	aaaaacaaga	gcaaaactaaa	cccagaacaa	gcagaaggag	gaaaccaata
51241	aagattagag	cagaaaggaa	tgaaatgtaa	atagaaaaaga	atagagaaaa	aaaaacaaac
51301	ccaaaagttg	gttctttgaa	aaggtcaaca	aaattaacag	acctttacct	tgactgacag
51361	agagaggagag	agagaggagag	agcatagaga	gagagagaga	gagagacaga	gagagagaga
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51481	atagaaagga	atataaggta	atattatgaa	cacttggtgtg	ctaattgtgtt	agataatcta
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51901	aatcagcaac	atataaaaag	tattttatatac	catgacaaaag	caggacttat	ggcaggaatg
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52081	cttttcatgg	tcaaaacaca	caacaaagta	ggaattagaa	agaaactttc	tcaatcttct
52141	aaaaagcata	tatgaaaacc	ccacagctaa	catcatacct	aaaggtgaaa	gaataaaaagc
52201	tttcccctaa	gataggaatg	aaacaaggtat	gtccactctt	gttacttcta	ttcaacattg
52261	tactgtagggt	tgtagttagg	gaacttgatc	aagaaaaaaa	ttggcatcta	ttttgaaag
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52381	aatccacaaa	aaaaatctta	gagctaacaa	tgagttcagc	aaggctgcag	gatataaggt
52441	taatatacag	aaattgcttg	tattttctgta	cactaataat	gaacaatcca	aaaaatgaaat
52501	taagaaaata	attccattta	cagtagcatc	aaaaagaata	atataatgta	agacaaactt
52561	aacaaaagaa	ttgcaatatt	tgcacactaa	aaaaagatga	aacactgcta	aaggaaatta
52621	aagaagacct	aaataaatga	agacatcgca	tattcacaaa	ttggaagact	caatattgta
52681	agatggcagt	actccccaaa	ctgatgtatg	cttttgaata	atatacagta	tgttccctaa
52741	ccacaacgga	atgaaattag	aaaatcccag	ccaggttttt	gcagaaattg	acaagctgat
52801	aataaaattc	atgtggaaat	acaagggatc	cagaatagcc	aaaataatct	tgagaaagaa
52861	gaacaaagtt	ggggcattca	cattttcagg	ttcaaaaactt	actacaaagt	gtaataataa
52921	agatagtgtg	gtactagcat	aaggatagat	atataaatca	atcaacagag	agtcagaaaa
52981	ttagcccacg	tatttatagc	caattgattt	tcaataaagg	tgccaagacc	attcaataag
53041	gaatgaatag	tctcttcaac	aaatggagct	gagaaaaactg	gatataccatg	caaaaagaatg
53101	aggttggact	actactcaca	ctgtcacaca	aaattaattc	aaaattatca	agactctaaa
53161	cttaagagct	aaaactataa	tactcttaga	agaaaaacata	gggtatacatg	gccttggatt
53221	atgcaatgat	ttcttacata	tgataccaaa	agcacaaagca	acaaaagaaa	aaacagtctt
53281	catcaaaatt	aaaggacact	attaagtgtt	tcaaagaaca	ctataaagag	agtgaaaaga
53341	caactcagaa	cttgagaaaa	tatttgcagag	tcatgtgtat	ctgataaaca	tctagtatcc
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53461	cacaaaggat	ttgatagatg	ttttttccaa	ataagatata	caaatggaca	agaagcacat
53521	gaaaagatgc	tcaaaatcat	tagtcattag	ggaaatgcaa	attaaacctta	aaatgggata
53581	ccacttccta	ctcactaaca	tgactgtgat	taaatagaga	caatgacaag	cgctggtgag

FIGURE 4-O

53641	gatgtggaga	aattggaacc	cttatacact	gctgggtggga	agtcatatgg	tgttactagt
53701	ttggaaaata	gttttgaaagt	tcgtcaaaaat	gttaaacata	caatttcctgt	atgacccatc
53761	aattccactc	ttaggtacct	atctaagagc	tataaaacac	acacattccc	ataaaaaatct
53821	gtatataatt	tttcgtggca	caattatttta	taatagctca	aaagtggaaa	caaccctcat
53881	gtccatccac	cgatgaacgg	attaaaaaaa	atagtgtgtc	tatacaatgg	aatatgattc
53941	atccatataa	agaaaataag	tactgattct	cattacaaca	tggtgaacc	tcgaaaacat
54001	taactgaaag	aaattggaca	caaaaggccg	tgtatttatat	tatttcattt	atctgaaatg
54061	tctagaatat	gcaaattccat	atccatatct	acagatagta	gattaatggg	ttctaggaga
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54181	tgataatatt	ctgaaattag	atagtgggtga	tggttgacac	actttgtaag	tatagtaaat
54241	accactgagt	tgtacacttt	aaaaacagtg	aatatcatgg	tatgcgaatt	aggtctaaat
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54421	aagagatgga	aattttaaag	gcgttgcata	ataaggccca	agaaaatgtc	tcagttgatt
54481	aaaatcccag	ctcatgccta	taatcccaga	actttcagag	gctgaagtgg	gaggattggt
54541	tgagtccagg	agttcaagac	cagcctgggg	aatatagtga	aaccccgctc	ctacaaaaaa
54601	attaaaaaac	tagctgggca	aagtgggtgca	cacctgtagt	ctcagctagt	tgggaggctt
54661	agggtggagg	attgtttgag	cccgggaagt	tgaagttaca	gcaaaccatg	atcgtgccac
54721	tgactccac	cctggatgac	agagtggat	cctgtctcag	aaaaaaagga	aaaaaaagga
54781	aaaggaaaat	atctgattaa	aggtgcattc	ctttgttcta	gctagcttca	aggtagacac
54841	tatcatattg	aaagacagag	ggagcagggg	gacagaagg	cgaaaggtaa	agcaagttgg
54901	aaaactgtat	cttacaaaag	caacctgtag	tgtggatatt	ggcaaataga	tcagatgctt
54961	accaaatttt	tgaggaaaca	gtattgtcaa	agaaaccaca	aggctgtata	aaaagcggtta
55021	gtccattagc	taagccttaa	agcaacctct	ggtaggaagt	tgacatccc	ctaaagagag
55081	tattctccct	aactccctct	ttacatgtgg	tcaagcagta	tcagggtcca	ggaggaagcc
55141	cctcagagtg	tggtgccaa	gatcacaag	aatagtggag	gagggagttc	ctgctctagg
55201	ctaggcagcc	tttataacat	ctgccactg	gtatttcagc	actgtcacag	gcagctacta
55261	ctgtgggtct	cttagtcttc	ccctttctga	atgggagtta	tcctgttcct	gttattgtag
55321	ttatcctatt	cttgttctat	tatcgcata	ttgtatgctg	tcatggtgtg	ttagtctgtt
55381	cttatgctgc	taataaaagc	gtaccagaga	ctgggtaatt	tacaagaaaa	gaggtttaat
55441	gaacttacag	ttccacatgg	ctggggaggg	cttacaatca	tggtggaaga	cagaggaaaa
55501	gcaggagggc	atcttacatg	tcagcaggca	agagagcttg	tgagggggaa	ttcctcttta
55561	taaaaccatc	agatcttgtg	agacttattc	actattatga	gaacagcctg	agaaaatacc
55621	caaccccatg	attcaattag	ctctcaccaa	gcccctccca	tgacatgtgg	gaattatggg
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55741	aggcagacaY	cttgactttt	cagttcacag	gtgtaagaga	agccatgtct	tttctctgata
55801	gagaggacta	agaaatgcaa	agctataata	gattggactt	tggtattgtct	ttcgtgagga
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55921	gagtgaactg	cagtgagagc	tggtgttgct	caccaagttg	gctcacatgt	gcttctctaa
55981	atttcccagc	ctaagggtgt	gtccagtaat	tttcttttct	tgtaatatct	ttctgagctt
56041	ttggaatcaa	tgttttgtgg	gccttataaa	atgagtttga	atgtttccct	tcttctattt
56101	tctggacaca	cctctgcagg	ccagttataa	ttatctctta	aatttttgtg	aagcaactctg
56161	ggcatatagt	tttctttttg	gaaacagttt	taatttcaga	tttgatttct	ttgatagata
56221	tagggctatt	ggtattttta	aatttcttct	tgtggcaatt	ttggcaaat	gtatttttaag
56281	aaacatgttt	cacttagatt	ttctaattta	ctggcataaa	tattgggtga	tagaatgcca
56341	atctattggc	ataaaagttt	ttctaacatc	ctctcattat	ctttttaatg	tctgtaaggc
56401	aggtagtgat	attctctttt	tcaaggctgg	tttttgattt	tatgtttttt	tctctctctt
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56521	gaataaactt	ttgactttgt	tgattttctc	tattaaatgt	ctgttttcta	ttccattgat
56581	cctgctctgt	attcctctct	tctatttttt	gaggggggta	attttctgtt	ttttgttttt
56641	gtttttgttt	tagctttttt	cctattattt	aaacatatat	tttaaagaaa	gatttttctt
56701	acataggagc	agggtctcac	tatgttgctc	aggctgtctc	caaactcctt	ggcttaagca
56761	atcctccagg	tttggtctcc	caaagtgccg	ggattacaag	tgtgagccac	catgctggc
56821	catttttcta	gttttttgag	ttgagaactt	agatcattgg	ttgggttttg	ttttgttttt
56881	ttttgagatg	gagttttgct	ctgttgctca	ggctggagtg	cactgggtgc	atctcggtc
56941	actgcaacct	ccacctcctg	ggttcaagca	gttctcctgc	ctcagcctcc	cgagttagctg
57001	ggattacagg	caccactac	cactcccagc	taatttttgt	attttttagta	gagacgggat
57061	ttcaccattt	cagccaggct	ggtctcaaac	tccctatggc	agatcatctg	cccgactcag
57121	cctcccaaag	tgctgggatt	acgggcgtga	gccaccgtgc	ccagccagat	cattgggtttt
57181	taaccttctt	tattttttta	tatatggact	taatgggtata	tgtttctctc	tagattctgc
57241	tttagcagtg	ttactgacca	cattaccact	cttctctcca	catatccagc	agtgaagac
57301	ttctgatgct	ggaaatgcag	aatgaatctg	catgaatctc	tgagtcactg	tctgggatgc
57361	aagagagctg	cctcacatgc	attggctagt	gatatatgca	agaaacatac	ctttgatgtg
57421	ttgaactgct	ttgtttcttt	cttaagaggc	tggtatggc	ctatcctatc	ctagctgtta

FIGURE 4-P

57481	caagagggct	tgtttttacaa	tagctcttat	atctgtccat	attgcagttt	gcaaagactt
57541	ccatttgatt	cccccaagt	tttttcctga	agatgtggg	ttaacggagg	ggtattacag
57601	catagcacac	aacacaaaac	aattttaatt	taatatacag	tccccctcct	cccccaggga
57661	atttttcatt	gcctgtcttt	cagattcggc	cctgacctat	tgtcaagttt	taagggtccc
57721	ttttctat	aaacctcttt	cctcactttc	catattcttg	cttcttccca	tccatcctat
57781	tccaaagcaa	cccgaagctc	tccagctttg	ctgttgtagc	ttttctttac	cttgatcaa
57841	atcagattct	tactcaaggt	ctcttttcta	ctgaccaatg	catactcaga	tgtctgttag
57901	gcagaaatgg	agcagtggga	agcctgttgg	agaaacagga	caggccctcc	tgagctgaaa
57961	gggttttccc	ccagaatcta	gagtggtatt	tttctttatt	gtactgcaac	ttacttactt
58021	ctatgctcag	gttttttattg	atttttatttc	atttgcttta	tttctacata	gttgaaatca
58081	tgttcttg	gactgctttt	ctaacttaat	gttctatcag	aagcatttac	catattactg
58141	tataatattg	ggaacatct	gttttatatt	cacatttttt	cctattttaa	aacataat
58201	tcagtcctga	aggatatgag	aagaacatgc	aactcccca	aatcctactc	ccgggcagaa
58261	aatgtttaac	aaattaggct	gcatgatttc	agctgctgac	agctagacag	aaagaagaat
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58501	aaacctcttg	ggaaggggtc	tagcctgtga	atgttggtca	ctctggcca	gcctcagagg
58561	gaagggctgt	agtagaaaat	gaataaaaac	agggcagttc	actgaaattg	ctgtgagagt
58621	acagggcgac	cgtgtttcgt	gttctcagta	atagtgcgc	acggggacag	ggaggggata
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58741	gccataagcc	ataagcctg	attgagtaca	agtcaccagc	tacaaagaaa	gccaaggaag
58801	gtcagggggc	aaaggtgggtg	acccttagca	ctgtttacag	atcctcactg	aggaggaaaag
58861	aaaagctaca	gggacagggtg	ggcttgcca	ggtacttgta	gccatcaggt	tcacaggagg
58921	ccttgagggtc	aggtcagagg	caggaagatc	ctgtgctgaa	gagtaaaact	tggagagggg
58981	ccttggtgaga	tcttgcgagg	gactctgaga	aataggatag	ggcagtgatt	aaaaaggcct
59041	atcaggacca	ggctaacagg	agttagccag	ggaacatgag	acaaataaat	aacttggaa
59101	ctggcttc	tggaaagctg	ctgcataatc	actgtagctg	ctctctc	ttggccctt
59161	aggcccagaa	agtaacagcc	ctgatattat	tagctcttga	gtcttgca	gacctcact
59221	gtttccctac	acacttgcca	cacctttgaa	aatagtcctt	ctatgaaatg	acctgttaa
59281	tcaatttgcc	taatatgaat	gcacctctg	cctgctgctg	ggactactga	tcgagaagcc
59341	attctgttga	tggctccagg	ggaccctct	ggaactctgg	ctctcagtaa	ccagctctgg
59401	agataaaaga	cagggactga	gatttaaatg	gtggaccctt	tatatcacat	aaaactaaag
59461	atatagattg	tgacttcact	gacatacttc	agagatccct	ggtagaaatt	tgtaataca
59521	tggcagccta	actcatcagg	atgagtagag	attaaagaga	tctgatttga	ggcaggaatg
59581	gggtgggtgt	attaggggac	aagaaggcta	cagtcagacc	tcagcccagg	gccatgtca
59641	tcactcagac	ctattcctct	tgtctatg	agaggagctg	aacagaaggc	cagaccctgg
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59941	aacacaagag	cctgggcctg	aggaatctta	aaataggttt	gttatatatt	taataatg
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60721	gacatacttt	ctctttgatc	tccctgaaac	tgccaaaagg	tttttgccga	actcataggt
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60841	tggagaagtt	ctgaggttgt	gaggatatct	aaactgtgct	gtgttgatat	ttttatctgc
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61081	tggtggctta	attaaaaggc	ctctggcctg	tgccctctgc	cttttattct	ctgctacttc
61141	ctcctttctg	ctccatgaaa	catgagtgtg	atggctgaag	ctctagcctc	cgcccttttt
61201	tttttttttt	ttgagacgga	gtctcgctct	gtcgccagg	ccggactgcg	gactgcagtg
61261	gcgcaatctc	ggctcactgc	aagctccgct	tccgggttc	acgccattct	cctgcctcag

FIGURE 4-Q

61321	cctcccagagt	agctgggact	acaggcgccc	gccaccgcgc	ccggctaatt	ttttttgtat
61381	tttttttagt	agagacgggg	tttcaccttg	ttagccagga	tggctctgat	ctcctgacct
61441	catgatccac	ccgcctcggc	ctcccaaagt	gctgggatta	caggcgtgag	ccaccgcgcc
61501	cggccgcctc	cgctctctcc	ttaacaaagg	aagagctaatt	ttccacgcc	ccccctcca
61561	ccacaaagta	tgagggccac	actggaggga	tggtagagt	atggctggaa	gaagtgtggg
61621	gcttttgtgg	aacagcctgt	aatgtccaac	tctggactat	ttagggaaa	gaaatgagac
61681	agaaattttt	ctcttgttta	ggccactatt	attgtgggtc	tctgttacca	tcagccgaac
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61861	tggggaattgt	ctggaatgtg	atcaagacat	gaaatgtgca	gatgggccag	tgacgagggc
61921	ttaccttttg	ggagcagttg	acaggtgata	gataccgatg	acttctagct	gatttattcc
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62041	tgtttggggc	ttgtgttctt	ctcaagattt	ctgaggacct	ggctcgagct	tctgtgtcag
62101	agtcctcatt	ctgactatgg	ggcctcagtc	cttttttgg	gtttatgctc	tttctctggc
62161	tgctgccctc	ctttcctctt	ctgagccttg	ccagtgtgga	acatgactgt	cttctgtgtt
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62521	cttttaaaaa	tgtttaaaaa	tttttttaaa	atthttgtta	tttttgtttt	agattcaggg
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62761	ttttctctgg	tataatttta	gccaccctt	cctccagatg	tccctggtag	aatgcacaga
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63001	accaggacga	aggtagcttg	agactaggaa	aactagaagc	tacagccagg	gaggactcct
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63121	agactgcac	tctgggagac	agaggtcata	gcctcacctg	agttccactc	tactcacctc
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63361	aatggtgagg	ctgctggtgg	cattttggag	actatgaaag	atacacaaac	atggaaacaa
63421	gatagtgggt	acctggagca	ataaactcta	cttgtgtagc	tgaggatgat	ctgttacaga
63481	gtcctggcaa	gaaggtagag	acgacaggtc	attcttagat	ggagtaaagg	actgctaatt
63541	ttcagacttc	agtttgattc	agaaactgtg	tccctatcag	cagacagcca	tgcttgggga
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63661	aggccccaag	cttcagattc	ccactcatga	ctctctttca	ctccagctcg	gtgacgagtt
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63841	tgccataatc	ctgagtgcac	gcactctgtg	atgaggccta	gctgtcacat	gcactaattt
63901	tcaaagtgtc	cagatttgg	tctcttctt	ctagaaaccc	atttcagaaa	aaaggaacca
63961	gatcttaaca	gtaaggagac	tgctgtgcca	attgtcagac	tccagtttgc	ttaggtctga
64021	ttgactacac	agattaaaa	cctgggaagg	aattaggctc	aaactggagt	ggaggggtgg
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64261	cagaaggccc	cagggcactt	tggtttga	actggctata	tctgatgagg	ctttgtcta
64321	gtgctctcag	aagcagagtc	cttctcttat	tgctcctgt	ggggagattt	ggacctctgt
64381	agcagagaag	actgtaaaag	ctgtagagaa	actgggtttt	cggaggctgc	catgcccttc
64441	ttgtatacat	gtatgcattg	tgcaaccatt	attcagaagg	gagcataagt	cagggcattg
64501	gaacagagac	cccaaacaga	tattggcttc	caaaaacgct	caaataaccc	catccccag
64561	tgcatttagga	gtcagagtat	tggttgagg	aacctgaagc	tctggtccaa	gtgctttcct
64621	aggtgttcaa	aggtctgaat	gagtgagca	tcaggccgat	tggaggagag	gagctgacag
64681	cacaggtgt	ctgtccctgg	tgtgaagctg	gaggagagac	tgggtgtatt	ccttgggggtg
64741	gggtgaggg	gacagtgggg	gtgagagcta	gaggggggtga	gggtcgggg	gggtggttgt
64801	attggcagaa	gactagttag	gtggtattct	tgttgaactg	aggcaatgga	aggttagat
64861	taaatacagt	gtcttcacag	gaggtgtaga	atgttccatt	gaaatgtaaa	agaaaaatta
64921	aaacttttat	ttttactttt	tttttagtct	aaaactaaaa	agctaaccct	caccaattgt
64981	tactattata	cattttaccc	tcaactcaact	catgcattgg	gtgtccatgt	catgcatcat
65041	atcagaggca	agtcagggaa	gagaggaggt	tctacaacat	gggggatgga	gaaggggacc
65101	acagcaccct	ccctggccca	cctgctttca	aaatctattg	ctaggtctta	agaactattt

FIGURE 4-R

65161	gtgtcctggc	agtggataga	catattatca	gttttcacta	aactcttctc	acaaaagaga
65221	caagtgggtt	gaagacattc	ctcaaaggaa	cccatagact	gaaaataata	tgaacaatgt
65281	aagcaaaagc	aaactcagaa	aatggcaaag	ttgacgattt	cttactacta	atatgatata
65341	cattatgatg	attagtcagc	tcagtagtag	tcagctctga	caactaagtt	caaatttata
65401	aaaaagacta	cttgaaacag	ggattttacac	caccatattgt	tggcccttga	ggtatttagct
65461	aataataata	taaacatgaa	atcatgatca	gcaagacatg	taaatgctat	aaactcaggg
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65581	ttgtgtactt	tttaaaaatt	atTTTTTTTg	cgggcgcggt	ggctcatgcc	tgtaatccca
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65761	cgcattgcctg	taatcccagc	tacttgggag	gctgaggcag	gagaatcact	tgaacccggg
65821	aagcagaggt	tgcatgtgag	tgagatcata	ccactgcact	ccagcgctcg	ggcgactcag
65881	tgagattctg	tctcaaaaaa	aaaaaaaaaa	atagtgtctc	gaaatctctt	ttgaggcttc
65941	ttattttaata	gtaaaagaca	aaatatcagt	caacatcact	ggaaaaaaca	gctgttgtat
66001	ttgccatggt	taaagtgact	gagttaatac	agagagaaga	tggtagtaca	taaaaatgta
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66481	ctatctactg	cccaggatac	aaatagttca	taaggcctag	taatatactt	tgaaggcaag
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66601	gcctctgata	tgacacatgg	catggacacc	tgatgcatga	gttgagtaag	ggttccatgt
66661	agttaacatt	ggtgaatggt	aatttttttt	atTTTTtagac	taaaaaatat	gtagaataaa
66721	atgttttaatt	ttttctttta	catttcaatg	gatcattcta	cacattctac	tttgaagact
66781	actgattttaa	tgttaccctt	ccattgcctc	agttcaacat	gaacaccacc	tcactagtct
66841	tctgccaatg	caaccacttc	cgctacccct	cacccctctc	acctctcact	gccactgtca
66901	ccctcaccca	accccaagca	gtagcagcac	caccaatctc	tcctccaaaa	ctgggggggtg
66961	gttcgtgttc	tggtccatga	ggactacatg	tgaatttcag	caatcacatt	attcatttac
67021	aaatataaac	aagaagttag	agcaagaaga	tcatagaata	ctatgggatg	tcataaatat
67081	ggttaatttaa	aaaattaaaa	tatagcagaa	tctttatagc	actttgtatt	gagatgtgga
67141	atgagactaa	aaatctttct	tatgattcca	aggtttactg	attatctcaa	ggcaacaac
67201	ttgaacgctg	tgaattttaa	gatgagtttc	cttaacaaag	aacaagtgtc	ccaaatttgc
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67321	acacatacac	acacatacac	acacacacac	acacacacac	acacacacag	tatccttttg
67381	ggtaaagggtg	atatttcagc	aatgaactga	cgtaacaaat	gtgctttaga	agaatttgtgt
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67501	atgccaaaaac	gaagcgtgct	agtgctcacct	atactctcat	agccacaatc	tgcaaaatgt
67561	agaagcatac	ttctaatacc	atTTTtaaat	attgcaaatg	cagaattttca	agtgttttaa
67621	aagtcccatt	tgttaaaatg	atTTTgcaaga	acagctgagg	aaaacatcat	tgaaaattgt
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68101	aatatgtaac	tcattaacgc	agtctcatgt	gcaaaacgtt	tatgaataca	cgaattgcga
68161	gtatcagacc	aatcagacta	tggggtagaa	ggaatacaac	ttggtgctta	catgagacaa
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68281	tctccgagct	tggtgactta	ctcgttgaga	gaggaaaggg	agaccgagtc	aagaatggct
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68401	gaagcagggt	ctggcggttt	cctgggaagc	aactaggtag	tttgggtctg	gaccgcttcc
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68521	agctcggggg	cattctgggc	tggagatgaa	attcaagagc	catcatccgg	caggaggttg
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68641	gcacggtggg	accctggggg	gggaccacag	agaaaagcca	ggccgcggag	gccgagaagc
68701	tgtaggtacc	caggtatgtg	aaaaactgtg	aggtgggggc	cgcggtgccc	aactctggaa
68761	actgcactcc	aagcgtttca	ggaaggaaga	cgtggtcagc	aggctcagat	cactggaaga
68821	ggtgagcgag	ggaggtgca	cggcaccag	tggctttggc	aactaggagg	tcattcagga
68881	ctttgagggg	caggtgaagg	cagagcgagg	agggttggag	agggagcgtg	tgcacgtggg
68941	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgttaggt	gatccaagtg

FIGURE 4-S

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69121	ggttgctgca	actacaggga	gcaagtcacc	tgtgcggggc	cgagaccccc	agagtctcgc
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69241	ggtgtggaag	cccggcgggg	ccagcgaggt	tgaggtctgg	ggagcccggc	tggcatctgc
69301	tccgggctgc	ggcgcggggc	ccgcggagcc	caggaggcgg	cgggtgcttc	cggccaaggg
69361	ccctggcggc	cgccgcgccc	ctgctgtctt	caagtttccc	gttggcggcg	cggcccgggc
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69541	gccctcctgg	ccggggatcc	gcagcgctgc	gccctctgaa	cgcccggccc	ccgcgcctgc
69601	tgcggggcgc	ggcctggcgg	ggccctggcc	ccggctggcc	tcagtgccca	gcagccccgc
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69721	gcatggccct	gtcgtccgaa	cccggtgagt	gcgcgcgagg	ctgcgctgct	gaccttgggc
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69961	ctcaggtgag	cgggcagcat	cccgattccc	tggcggccta	gaatggaatc	gcaaggttta
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70381	gctgaaagct	tgatggcgac	acatcagcaa	aggagctggg	tgaagcagg	cagcacaagg
70441	agggattttta	gcatggctct	gagccctgtg	tggctttccc	tcaggatgca	gtgaccaaca
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71581	ttgcccaagg	tcatacaact	aagtgttgga	acaggattca	aatgcaggga	gtctagctgg
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72121	gagacaggcg	agatttgtca	tggagctggg	atttagcaag	tgaatccctc	ttgtccaaact
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72241	tcatgcctgg	cttttgggga	ggagagtgtat	atctttcttt	ttctttttct	tttttttttt
72301	ctcagataaa	agtcttgctc	tgtcggcagg	ctggagtgca	gtgcagtggg	gcaattctcag
72361	ctcactgcaa	cttctgcctc	ctgggttcaa	gtgattcccc	tgccctcagcc	tctcaagtag
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72601	atgagacata	atttgattcc	gtcctctcct	gtctttttaga	gtttgttaag	ggtgcttaag
72661	tgataaaaagg	ggatgcagtc	tagtctcggg	caggagaagc	gggcccgtga	tctggttatc
72721	ataaattgtc	ttgatgtttg	ttcgaaaggg	aaataaggct	ttgagcttgg	gatcagtgct
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FIGURE 4-T

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72961	acaacctgtg	tcctcttagt	ggagctgctg	ctggtttctg	tctgaacccg	atgcaatggg
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76621	catgagcaaa	catggcagga	tctggcataa	gagccctcag	acatcaagga	cttccctccc

FIGURE 4-U

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78361	ctgctcccaa	cgagggtggc	ttgtcgaaaa	gggtgcagta	ttaatccatt	ccacaagtgt
78421	tatgctgggg	actgtgagga	gcccctgccc	ggacacatac	gtggacaaa	agaagcagca
78481	cagcatggtg	ggtgagggga	cagaggcagg	aaccagggtg	ctgggttcag	atccctgagc
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78601	acttattaaa	agtgtgaccc	tgggcatggt	agctctctat	gccttcattt	tctcatctgt
78661	caagtgggaa	taataagatt	aactgagtta	ataagtatga	agttctttgc	agagtatata
78721	tatgtatgta	tacatatata	aaatatatat	tatatataat	atatattata	tataatatat
78781	attttatata	tatatatata	ttttattttt	aaaattgaga	Ygaggtctca	ccctgtctcc
78841	caggctggag	tgcagtagta	cgatcataac	tcactgcagc	ctcaacctcc	caggctcaag
78901	agatcctcct	gcctcagcct	ccctagcagc	tgggattaca	ggcatgcata	accatacctg
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79201	aggtttaagc	aattctcttg	cctcagcctc	ctgagcagct	gggattacag	gtgcctgcca
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79501	ccaaccaagc	aggtggttga	ggccagtgc	tgtagtaag	gaatcagtat	gcgaggaggt
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79681	gattctttct	cttcagcaaa	aggccttgat	ttatgtaatg	aagaatgcag	ctttggattt
79741	cccagggtct	tgctgtaatc	ttgtgcgacc	ttagctgtta	aagcctctgt	gaagtggggg
79801	agtgaggttt	gattattggt	gcagctataa	cagtatcctc	atagtctgga	ggaggagag
79861	ctgaactctc	tcttgctcct	tctcaaacat	gggaacaaa	tcaggagggc	agggctgcca
79921	ggtgctgcag	attccctgag	tttgggaaaa	tggaaagcca	cctagttgaa	cagttcatte
79981	tttgaatttt	gaacacttgc	tttctctga	cacctaaagt	gccctacatg	cttcacatcc
80041	agtactttat	tgagctaatt	ttgaaattgg	catgctgggt	ttggtctggg	gacttcttaa
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80161	ccggtgctgg	tgactcaggg	catcctgcaa	ttcatgcttg	ttctttcttt	gctagctgag
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80281	gcggagaagg	tgtttgctaa	agtgctccga	gaaggagaca	gcaaagatgc	cctgtccctg
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80461	ttttcgtgta	catagagtca	tgcagaccca	ggcaggctgt	gggtgtgtgt	cctgatatga

FIGURE 4-V

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83821	atccttagcg	cagtgtttgg	agcaccatta	atgttctctg	tttgttattg	ttgttattag
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84181	gaaggggggt	atttctgcac	ttccaactga	ggtactgggt	catctcactg	gggctagtgt
84241	gacagcgggt	gcagcccaag	gaggggtgagc	caaagcaagg	tgaggcggtg	cctcacctga
84301	gaagcacaa	ggatggggga	attatcttcc	ttacccaagg	gaagccttga	gggactgagc

FIGURE 4-W

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84481	aggggcgcca	ttcaggcaga	cactgaacta	gctgcaggag	tttttttttt	tttttttttt
84541	tctgtacccc	agtggcgctt	ggagcgccag	caagacagaa	tcattcactc	ccctggaaag
84601	ggggctaaag	ccagggagcc	aagtgtctctg	gcttggcagg	tcccagcccc	atggagccca
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84721	gggaggccaa	ggcgagtggg	tcacctgacg	tcaggagtct	aagaccagcc	tgccaacat
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87241	aagagactta	gactcccaca	caataataat	gggagacttt	aacaccccat	tgtgaatatt
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88081	aaattagaaa	atctagaaga	attggataaa	ttcctgggatg	catacactct	cccaagtcta
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FIGURE 4-X

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89941	tgggaaaact	ggctagccat	atgcaaaaaa	ctgaaactgg	actccttaca	ccttatacaa
90001	aaattaactc	aagatggatt	aaagacttaa	atgtaagacc	taaaccataa	aaaccctaga
90061	agaaaaccta	ggacattcag	gacataggca	tgggcaaaga	cttcatgtat	aaaacatcaa
90121	aagccatggc	aacaaaagcc	aaaattgaga	aatgggatct	aattaaacta	aagagcttct
90181	gcacagcaaa	agaaactacc	atcagagtga	ataggcaacc	ttcagaacag	gagaaaattt
90241	tttcaatcta	tccatctgac	aaagggctaa	tgtccagaat	ctacaaagaa	cttaaacaaa
90301	tttacaagaa	aacaacccca	tcaaaaagt	ggcaaaggat	atgaacagac	acttctcaaa
90361	agaagacatt	tatgcagcca	acaacatata	gaaaaaatgc	tcatcatcac	tggtcatatg
90421	agaaatgcaa	atgaaaacca	caatgagata	ccatctcacg	ccagttagaa	tggcgatcat
90481	taaaaagtca	ggaacaaca	gatgctggag	aggatgtgga	gaaataggaa	tgcttttaca
90541	ctgttggtgg	gagtgtaaat	tagttcaacc	attgtggaag	acagtgtggc	tattcctcaa
90601	gaatctagaa	ctagaaatac	catttgaccc	agcaatccca	ttactgggta	tatacccaaa
90661	ggattgtata	tcattctata	aagacacatg	cacacgtatg	tttattgcag	cactatccac
90721	aatagcaaa	acttggaaac	cacccaaatg	tccatcaatg	atagactgga	taaaagaaat
90781	atggcacata	tacaccatgg	aatactatgc	agccataaaa	aagatggggt	catgtccttt
90841	gcagggacat	ggtgaaagct	agaaaccatc	attctcagca	aactaacaca	agaagagaaa
90901	accaaacatc	gcatgttctc	actcataagt	aggagttgaa	caatgagaac	acatggacac
90961	agggaggaga	acatcacaca	ctggggcctg	ttgggggggtg	aggggctagg	ggagggatag
91021	cattcggaga	aataccta	gtaggtgtca	ggttgatggg	tgacgcaaac	caccatggca
91081	tgtgtatacc	tatgtaacaa	acctgcacat	tctttacatg	tacccagaa	cttaagtat
91141	aattaaaaaa	agaaaaaat	taggatata	agggaaaaat	tttattagtt	gaaaaatttg
91201	gctatctagg	acagccgctt	ccctagaatg	ttttgagtga	aattgagaaa	catatgtgct
91261	ttatgaattg	agcatagcac	agctaaaagt	ttgctaagtc	acttcatttt	atgaaacttg
91321	tgaaaataag	aatggggaac	tttttaaa	ttcaggatca	ttgacaaaag	agcttcattt
91381	gaaatagtca	atctatcccc	ttttaaagt	agggagagat	tgggctgggc	gcggtggctc
91441	acacctgtaa	tccagcact	ttgggaggt	gaggcggtg	gatcacctga	agtcaggagt
91501	tgggagaccg	cctggccaac	atgtagaac	cctgtcttta	ctaaaaatat	aaaggttagc
91561	tgggtgtggt	ggcacatgtc	tgtaatccca	gcaactccg	aggctgagc	aggagaattg
91621	cttgaacctg	agagtcaaa	gtttcagaaa	gccaagatca	ccccactgct	ctccagcctg
91681	gctgagggag	ggagactctg	tcttgaaaa	gaaaaagtta	gggagattgg	gaagccgagg
91741	tgggtggatc	acttgaggcc	aggagtgtga	gaccagcctg	gccaacatgg	caaaaccctg
91801	tctgtacaaa	aaatacaaaa	attagctggg	catggtggtg	tgcgctatg	gttccagctt
91861	tttggtaggc	tgaggcacga	gaattgcttg	aaccagagag	ctggaggttg	caatgagctg
91921	agatcgatcc	cctccattcc	agcttggggc	gcagagcaag	accctgtgtc	aaaaaaaaag
91981	aaaaataaaa	ataaagttag	ggagagagat	tgtaacactt	aagttaacag	atagtagaca

FIGURE 4-Y

92041	ttgcacttca	ttttcatctc	caggctcttta	gggaggaagg	gcagctggga	aggattgagg
92101	aagggagaa	cgaaggtgag	tggcaggaga	tgagtggaga	ttacagttag	ccaggagggg
92161	ttgtggggaa	gggaggtatg	agaaagaagg	ggcagggttc	cagaggagct	caggggagaga
92221	cagagggtgg	ggctgtgagt	tttcacacct	gattggctgc	aaagtgttag	aatcaaagtt
92281	acacccacct	ggccaggatg	ctggtcatct	ggctgcatat	gcggagttag	tgatctctgt
92341	gcgcccctgc	tctctctgta	gggacccctg	ttatagtgcc	catcgtgcag	catatttctc
92401	cagataggct	gggacctctg	gtctcaagta	cagggaagg	gtcagcccct	cttagttccc
92461	tccttagatg	gggggtccaa	ttccagggtg	gccaatgcag	gggcagcgtg	agcagcagca
92521	gtgtgagcct	atggaagtgg	aggatgcctg	tcccgcctga	tggcattcag	attcccagtg
92581	tttgcaaaac	tctgtgctgg	tttgtgactt	ctgattccaa	cctttatatt	agcgtaacaa
92641	ttctcatgtg	gaggggctgc	cagaatgagc	tgagtgtgcg	tgggggagga	gttcaaacca
92701	gcctccatgt	tctgaaatgt	ccccctctg	acccatttgc	tccactgctc	ccacccctag
92761	tctggattaa	gtgtctcctc	tgggtccca	aaatatccag	ggcatctcat	tacaccaacc
92821	acactgtatg	ataatctgtg	gaactgtctg	ggttcatctc	agccatcaca	gtcggcccct
92881	ggaggcgga	gttatatctt	atctactcct	ctacaccag	ggcctggcac	acagtgtttt
92941	attgaatgaa	gtgggtcca	cgtgtggccc	ccagctcata	gtacacatat	gagagcctgg
93001	tgaaggttg	gctccagtgc	ccctccctgc	ctagtagtca	tctggacaga	ccacacaggg
93061	cagtgggctt	cagatggccc	ctggtaaagt	gctggctatt	ctctaggaga	gcaaggtggg
93121	cctgaagggc	tcctcacttt	agcatttgag	tgctatatag	ggaaggccct	gggagcctga
93181	ttcccagag	cggaggagg	ctggggagt	gagcagagta	agggagggga	cttagtgact
93241	gtcaggggca	accaagggcc	atagagcagg	tggagcacca	gacaggtgct	gggaggttaag
93301	atgctgtaac	aacagcccag	gtgacctgat	caactctttg	tcttgtgggc	ctggttagca
93361	agaatgtcct	tgtgcgtcaa	gaggataaat	ctatttcagg	gatgacaaaa	ctgctcctgg
93421	ccctttgagc	cctcaggctt	ggcctggagc	tgggtgtcctc	acagcccac	actctgctgg
93481	ctccttggca	ggagtgtgct	tctgccaggt	gcaagtgtgg	gtgggggaag	gaggggtgt
93541	gccagctgta	gcccagcaaa	tgtgtggccc	ccaggggcta	gtgcaagggtg	cagcaggtga
93601	gatagtggac	agacagacct	tggcccatca	gaaggaagt	ctttctaaca	ggggcaccag
93661	atcagttttg	ttcatacaca	cactcataga	cacactcact	cactgtatta	gtttgcactg
93721	ctataaagaa	atacctgaga	ctggtaattt	ataaaataat	gaggtataat	tggctcatag
93781	ttctgcaggc	tgtacaggaa	gcatggcagc	atctgcttct	gaggaagcct	cagggaactt
93841	tgactcatgg	tgaaggcaaa	gcaggagcag	gcgtcttaca	tgggtgggagc	aggagcaaga
93901	ggcagcgaga	gtgggtagg	gaaggtgcta	cacactttta	aatgcccaga	tctccatgaa
93961	aactctcact	agaacagcac	caaggagatg	gtgctagacc	attcatgaag	gatccacccc
94021	catgatccaa	tcacctccca	ccagccccta	cctccaacac	cggggattaa	catttgacat
94081	gagatttggg	cagagacatg	gatgcaaac	atgtcgaca	ccctctgaca	cttacgcca
94141	cacgcccact	cactcagctc	caaccctcta	cctttactgg	ctgggcctcg	gttgataga
94201	atggatgcta	gatattgggc	tagggaggt	agaatttcta	aaacggcccc	tgcagatgtc
94261	cctccttaat	ctccagatgc	agtgaataag	atgagttatc	actcctgtga	tgtgttatg
94321	gaatatggca	cagttgacct	taagatagg	gggttatttg	taggcctgat	ttaatcccat
94381	gagcccgtaa	aaatagagag	ctttctgagt	gtaggagggg	agggcagaga	gattcaaagc
94441	aacagcacia	tgaccactcc	tggtttttga	gatgaagggg	gctatgtgca	gggattggag
94501	tgaggtcaat	aggagttgag	agtgaaccc	ggtcaaagcc	agcaagcagc	ctgggactcc
94561	agccttggg	gcactagacc	tgaattctgc	caacaaccgg	aatgaacttg	gaagtgaatt
94621	ccttcccaga	aactccagac	aagagtacag	tgtggctaac	atcttgattt	tggcctcttg
94681	ataccctgag	catagagccc	agccaagccc	accagactt	ctcacctata	gaactgtgag
94741	ctaataaata	gctgttgttt	taagccatca	agtttgtggc	aatttgttct	gcagcaatag
94801	aaaacaaatc	caSggtcatc	cttgggctcc	atatagcttt	tccaatttcc	tgagatacaa
94861	gctgtggtta	acttccagtt	cttccaagct	caaggggagt	gagccctgag	gagttagcct
94921	atctgtgggt	aaacctatcc	cttgtgccta	cagagtctga	gctcctggcc	cgcagatgct
94981	catatgtgac	aatctggagc	tcaactgaag	accaaggttg	tcgccataat	ggatatcccc
95041	aggaaggaga	attcttttgg	caccagtttg	tgggtactag	cttcctcact	ggggcagaag
95101	aacattccta	ggacaagcct	ggttagcgtg	tggcttaggc	agcctcccag	catttgggct
95161	gtagtgtttt	tttttttgg	tgtgtgtgtg	tggttttttt	ttaaactttc	ttagctgttg
95221	ctcaccttag	atgtcacctg	ttgcttcttg	ttggtaggac	cagacctcag	gcagccttgg
95281	ctgaggcatt	tggaggtgag	gttgcatgga	aataaaaaa	gtgagctgga	aggcatgtgt
95341	gagtgcacac	gaaaccagaa	tctcatgcgt	cccagctgag	gtcagaatgt	gttggggagc
95401	ccaaagtaat	ggctcttcct	ctgggtgtgg	gcattcaaaa	gatgccaaa	ggagaacctc
95461	atcctcaagg	tgaatccgcc	tctgagaggt	gactgacaag	gtggcatccc	tggggcagga
95521	tgttgggctg	agctccattt	gatggaggac	agaccagaga	aagctgaggc	tgggggctcc
95581	cagggctcag	gttgagtttc	ccgaagcagt	ccagtgcctc	acttagcagg	accaggggca
95641	aggggaagg	aaattcctga	aaaggagcca	cctctgtctt	gcaggttaaa	atagccttgt
95701	ccaaagatg	tgataacaca	gggttaggcag	gtgagaacca	gagggccatg	gcaagcactg
95761	ggtgtgtaaa	cacgggagga	gaactgtggt	tcttgaaaac	tcggcagtga	ggatacctgg
95821	ccacaggcca	agaggaagag	agctgcttct	gggtaagccc	tgaacttat	ttggggatca

FIGURE 4-Z

95881	actgatttct	tcaggcctgt	aggtatcaca	ctagtacctg	gagaggagga	gggctctagt
95941	gggtcacagt	tgtcactgag	tccttgctgg	tggctgtggt	tgtggtagaa	taaatactca
96001	ggaagctact	gggcccatgg	cacaaggtag	ggcagggtgg	cagttggttt	ctggcatttg
96061	acactgtggg	atggcaccgt	ggggaggccg	ggttccactg	ggggcagaca	gaaacatgag
96121	gtaggagaag	agtgctgatg	gcctcacctt	aatgctgggt	aatttttctg	cagaagagac
96181	ttgcagtgac	ataatctgat	gtctgtttca	tgaatgagga	aggtagagtc	atcacaaatc
96241	agccttgcaa	ataagcatgg	gcttggtgca	ttttaaacca	accttgggcc	caagagccag
96301	tgtaatcatc	ttttggtgcc	aaggcaacag	gtccagaggg	acctgaattt	ggtgccgata
96361	aatccctctc	cccaaacaga	ggtacatatc	tgtgcctgct	ctagcagcgg	cagtcaggat
96421	ggtacacggc	gggctagagg	agggagcagc	agggctggag	gctgggtgga	gcagccactg
96481	tgccatgggc	cgtgtgactt	tgtgccagcc	ctttcccatc	tctgggaaag	tgtctgtgag
96541	aagtaggctg	atcttgacga	tctccttggc	accagtagg	tctgctgcca	gccatggggc
96601	ctatgatgcc	tgtaaagctt	gatggcggtc	gctagtccac	ggtoctgagc	actgtctcga
96661	ctcctttgta	aaacaaggag	attggattca	ttgagcatcc	ctctctcttc	tggctccaat
96721	gccccaaatg	tctaactgtg	tgaaatgcag	tgtgattgtc	tctctgtgac	cctattcctg
96781	gtcctttctg	agaccgttca	tatgttggga	ctgagagttt	gtgttatctg	aagccagcat
96841	gctgtccaca	ctgtggggaa	agcctgcatg	atttgctatt	gtcctccctt	ctagtgcctt
96901	gtgggttttag	agcccctgcc	atgtggtctg	ccatttgtct	ctctgtctcc	tagggcattt
96961	gcctgcttta	atcttctgtg	ggctgtgcaa	acagccctga	gcagtgcata	gtgaccacag
97021	gtaggggtgt	ctggagggcc	gtgttctatc	tcaggcagac	atgtgtaaga	ggaaggcatg
97081	aataattaga	aacttcttaa	tggtagggcc	agcaccagtg	attaatcata	gcaaaattct
97141	cctgccacRc	acacagcaaa	gagtccttat	cactcaccct	aattagcttc	tgatgtctcc
97201	cacttttctt	tgtccttggc	tcttagaaag	aaaagtttca	agatgattcg	gtcccagttc
97261	ctgtctctgc	aaatgccgcc	acagcaagat	tggaggggcc		

FIGURE 5-A

>2:179587401-179684100

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1      attgagaaaa caaatctacc tatttatgca gcatatttcg ccccttctg attcatgctg
61     attaggaagc atgacagctg gtgacagcag caatacatta caaattgtta cagagaaaaa
121    gcggggccaa atgaaacgtg atggctctatg attcacaatg aaaagtggtg aaggagaggc
181    gagaccatgg catataacaK ggaaataatt agttgaatta gaagagaatg gtaggaacaa
241    caatgattta catgaactct tgagtaattg ttacagacat tgtaagatt cgatctatat
301    ttaaatgggg ttctgaaagt tgttttactt taccttccag actcagggtg gctgtgcttg
361    atacttggcc tacagcatta Ytagcaacaa acgtgtaagt tccttcatct tctggataag
421    ctctcgcaat ttccagttga taagtgtctt caaattgagt cattctaaag aaccgagatg
481    gcttgatttt ctgtcttttg ctgtaccacg acacttttag atctgcgaca caaaagaaaa
541    gagatacttc aaccacaaaa atgagtggat ttttacaatt tacctgcaaa cacaatgtta
601    ataatactag tgcctacatt tcatatttga cttaataaca tgatactttt ctctgggcat
661    gccatatcta ctattgttaa atgatttcct ttcattcttca agaaggaaat gtaatgatag
721    aaaaatatag ctgtccttaa ggttgaactg gttgtaatgt ttaaaatgat agaacttcag
781    ttacattctc tttagacatt tgcagtgcac gcagtggag cagagacaag attttgacat
841    attcagtgac tttagaaaaa agcagtcctc aagaagagtc atcaggaaa gtttgactctg
901    ggcttgtagt tgccttctgg gacaggaaat gagaaaaatc tccacttttg gtttgcagaa
961    aaatcaatca aaaagagagc tgagaagatc aagatatgaa agtctaaaa tagatacctt
1021   tgaaggctgt agaaaaaaa tctctatctt tgttactaat gagcaaaagg tttcagtacg
1081   cagtatatat ggcacaaata attgtagaga aaataatttt ttaaataaag agggtgattt
1141   attatgggtat ttgagcatct tagatacatt tgactctttt cagagtggca gttataagac
1201   attataataa agctagctat ttctatataa ggatttgaac catcttaaaa taatagaaag
1261   taaaaaccca aattacagta aagtagcagg ttatttgtgt gtaataattg tagtgatat
1321   gcactttaat tttagttaac tgtttgaata gccaaaaatc aagccatctt gtttttggag
1381   cacagtcact ataccacttc ttggtctcaa aaccatccaa gatgatcttc taatagtcca
1441   atcatctagc atttgtctgc attttaattgc caataactgt ctataaaagt tactctctg
1501   cccatgatgg tagatgtgta taaatggcag gttctcctct tagagtaaca aatctgttca
1561   gttccttaga tagtaaggta aagtagaaga tgaaatcctg gccaggcgcg gtgcttcaca
1621   cctgtaatcc cagcactttg ggaggctgag gcgggcagat cacgagggtc ggagttcgag
1681   aacgcctga cgaacgtggt gaaacctagt ctctcctgaa aatacaaaaa ttagccagggt
1741   ttggtggcac acacctataa tcccagctat tcaggaggct caggcaggag aatagcttga
1801   acccgggagg gggaggttgc agtgagccga gatctccagc ctggtgacag agcaagactc
1861   catcaaaaata tatacatata aagaaaatga aatcttgaca ctacaacttg tcagctgtgt
1921   ggccttggaa atgtcattta agctttcttg attagtcttt tcatttgtaa aatggcatgc
1981   gtaataattt atgggctatt cgttgcataa aattgctgtg agaattaaat gatataacac
2041   acatggaagg gctttataag ccactggcac aagtcagtca ttatagcaag aatataaac
2101   atcacagatg gaagcaacgt tgtcttcaat aacacgccaa aagacagtgc catgtgatat
2161   aacatgaaac accacccta tttagtttgt gtgaaggggt gtgtgtgtgt gtgtgtgtgt
2221   gtgtgtgtgt gtgtgagatc atcaatggta catcctctta caaggttctc tgcttatttc
2281   tactgacagc ttcttctttt ggtgaactga atgaggcacc aggatacaca ggaactgcca
2341   ctggacatga actgcacaca atagtgagt taacaggtaa aactttctt tttagggac
2401   ttggtgcttg tggctgtgat gccatgatct gcgttactca tttagcctctc gtgtcttctt
2461   tgaggccatt ctctcccat attactactt ctgcaatacc ccacttgtct ctctgactg
2521   ccctggctga gggcctcatc cacgctctcc aggcctattg taataatctc tctccagttc
2581   ctgactgcca gtcttgctc ccacatctgt ccactccttc tttccctatc acagtatcac
2641   ttctaaaaag taaacctgat catggatccc aggggcttaa aaatcctgca gtgtctccta
2701   aatgtaaaca agatcaattc caaaatcttc agcatagaat accaaaaact ttagcacggc
2761   ctttgctgta ttatccagcc ttcttaccba ctcatgatat cactttccaa ctgtacttaa
2821   accacttgct tctagcacat gaagcattat tgcaagtttt gatgacttg agatgttgtt
2881   ttctcatcat aggatgccac tgtgttcaat gatcctacat atttttcaat ctgacttca
2941   cacatcttct tctggctctc tcccagacag agaatgatga gtacgtgggc ctgttaatag
3001   cacttacaac ctgtggatag agttgtgtgc atgcatctcc tcacctacat gtcaagctcc
3061   ttaaaggcaa gagcaagatc tgcaccccag cacctagggt aatatctcaa tagcaggga
3121   acaataaatg gtagaattaa aattgcacag atgcttaaat gaataacaga caatatcatt
3181   gttaaactaa ttattcatca ttctgttta gctagctgtc actctgtaag cttcacaatg
3241   acactgactc atcatctgta gaataaacag caaaaaata gcttttttac attttaagat
3301   tctgcttttc caaattactc ctctaccagt aggtggcact ggagaccttc aataggtaac
3361   attttcgctg ttagaaacag cacctggttg ctgaggcca cgtttcatgc ttcagaaagt
3421   attacaaccc ccaagaacat gggagcttct gaagactccc aatttctttc caatttgtg
3481   aaagcagggc tacacttact taaggcaata cctggccaga ggaagttctg taaatatttt
3541   tagtcccagt ggtatgaaac tatgtgagtt ggcaagtttt tgaaggttca ttctatttaa
3601   tgaatttaat ttctttcata tagaaaacaa atttataaga ggatgctaaa accactatat
3661   gtgtacagat attaccacac ataggaagtt aatgatcttc tcagtttaca aagcctattc

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FIGURE 5-B

3721	aaacctttttt	aaagacattg	gttatgcaga	aaagatagt	aaatttttct	ctttctaccc
3781	caattgggtg	ctttagagag	gcttcagggt	tattttctaca	acacttttaa	ggcaatacta
3841	ccatatgtta	atatgtttata	gacttaaaaag	cactatacca	atatagttaa	gacaaatatt
3901	actacttttga	atgatgtaca	tatatgttta	tattaaaaaa	ttcctctaaa	aattaaataa
3961	atggataaaat	tatttagtgt	agctttaaatg	aacttgcttt	taaaatatat	tttgtattat
4021	tgtgtagta	ggatattatc	aaatcagttcc	tcattttatta	atatttagca	tttcttgaac
4081	actatccctc	aaatatacag	tctatgggtat	ttgtccatac	tgcccataca	atactaaaca
4141	ttgatgttta	tataattcct	ctctatggct	ataataaaaat	gaatgtattg	agccccagtt
4201	acctggcagc	catgcctata	ggtgcttttac	atacattata	tcttttaatt	atgctcataa
4261	aatcaaatag	gtctatttaga	tttctagatc	accatctcca	ttcctgagga	ggaaataatt
4321	gggtcagaag	accaactgaa	gtactaacct	gttgagaaaa	ataaatcttg	acaaggtaga
4381	gattggatta	taaaactaatg	ggagaagcat	aataaacaaa	acaatacaac	tttgcaatta
4441	cttttgcatc	agcctaataa	gagggtctgg	agatgcccaa	gctttgagag	tttccctttg
4501	gctgggaaac	tctcaaataa	ttgtgattat	agacaatcag	ttatgacttg	aagtggttcc
4561	acatatattg	tctcatctcta	ccaagatcag	attcctggga	tgaggaaatt	ggctgggtgg
4621	acttgagaag	catgccccaa	ttaaaaatgg	tagcagctaa	ctctgattga	ttactgtatg
4681	atgagcactg	tgctatgtgc	tgactttgagt	tacctaactt	aatcttgata	ataatcttaa
4741	gtgtttggta	acagtcattt	aacctatcatt	aattagtcca	gtcaacaatt	acttatggag
4801	tatctactat	gtatcagggtg	atattctggg	gcaaccatcc	actcttgttt	tcatagagct
4861	taccttctag	cagggtactat	ttttcagatg	ccaaattcta	ggcactaaaa	cggaaattcct
4921	agcctcataa	aatatattttt	ctaggattga	atgcaatcat	atactcaatg	tattcatgac
4981	agaaggagaa	cgagagacat	gatatatat	gaaggcaaga	ttcaaattca	gcacttttga
5041	caatgaagcc	ccgacttttg	accactatag	gatattgtct	tccaaaggat	acctttcaca
5101	caagcattgt	ccatagactg	aataatgtct	tatataaatg	tattattctt	ttgaattata
5161	tgtagatgct	attataatct	aataatttta	gttttgatcat	tgtattttat	caatgaagaa
5221	attaaagtgc	agctacaatc	ataaagggaa	catgaccttt	tttaatatata	gtgaaaaaca
5281	ctaatttttt	tattgtgata	aaSaacacat	aacataacat	aaacaacctt	tattaagggc
5341	acaaaatagt	gaaaaacact	tatctaattc	ttaatttaat	aattgaaata	agttttctgt
5401	tagattttcca	ttaagcttca	aattatgcat	gagagatgtt	tgtgatggag	gagaagctga
5461	cagaatgttt	ttcccatgta	attattttgt	agtattggca	atgacacctt	ttgttcttaa
5521	acctacctgt	tccagaaacc	cggcattgaa	aacgggctgg	ctgcccttca	gaagtgcag
5581	tgctcgtgaag	cggggtgatg	atggcgagtg	gataaacagg	catttctcta	tcaggagaca
5641	caacttctgg	aactaaagaa	agaaaccaca	agattttgtca	tgattaagtc	accatagaga
5701	cctcacagaa	gggagcatgt	aggtttatct	taattttatt	cactgcagag	tgctttcaaa
5761	gttgggtagc	aatctacttt	tatgagctcc	aaattgtatt	tttaaattgca	ctgggaaagg
5821	acaaaagcct	gcttcttagg	tttttatttc	agctggaagt	agcgaggcat	tcctaccttc
5881	cactgagagt	gaagctgatg	ttgtggcaac	accatagtca	ttcttggctt	cacagggtata
5941	gactgcgcga	tcctctggga	aggcttcaat	tagcaaaaagc	gtgtatttct	gcccatcatg
6001	aagaaatttg	cacttgaagc	cagtggaaag	cagctgctct	tccttgtacc	aggaaatttt
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6181	aatagcccat	gaaaaagtgt	aaaaacacaa	gagagcatgc	aaaactctac	attaatttgt
6241	tgctggctag	ttatacatcc	agagacaaaa	ttttggaatt	gtggattttt	tacttgcttc
6301	agaatattag	aacattcttt	gtgctaagaa	tgaagaaagc	acttgggaatt	tgccacatg
6361	cagagggaat	agcttcagaa	agatattttt	gatattttgg	gggcatgctg	agagtgcoga
6421	gttaacctga	ttatcccagt	ttctgtttgt	gggtgggggt	tagcgatgga	cacctgaatg
6481	aattatacaa	taacttccgt	gtgctaccta	tttttaaaat	tcatttggac	aaatcatgtg
6541	gtgaagaggc	tcatatcatt	ccagtttgtt	tgttttgcaa	gtatttgtgt	ttatgtcata
6601	gtcattttgt	tatgtaccag	tgccagtaaa	atgcaatcag	taagtattga	atgaatgact
6661	gaattaacac	tatttcagat	ctagttaaat	gccattaggt	agacttaaca	aattcagctt
6721	tcctgttttg	ctaactaaag	catattctca	gtgctgtgat	gagtggaggg	acctggttag
6781	ttcatggaac	ccagaaatta	gaagaaatga	cttctgtgag	gctggtttct	gacactatca
6841	tagaaaagat	ctttactttt	ctgtgcctca	gtttctccWc	tactaataca	gagataataa
6901	gaactggatg	ccatgaccat	ttggtcttct	aggaacctag	ggaatgctgg	cgatatgggt
6961	catcttttgt	aatcttgaga	ttacccttgg	agttcctgca	tctgcctcag	gggtatttta
7021	ttcaaagaga	tatggcctag	gatgagaata	ggaagggagg	ttccattttt	ctcttgcatc
7081	taggttagac	tcaaaaacaag	gtcagcttga	gattcagcct	taagatttct	aatgagaga
7141	gcagagggtt	aacagcactt	ccctggggac	tgctcagagg	ctcctcagga	gtgcttggta
7201	gcatgtggaa	ttccctgtcc	aaagtaagag	cccctgttct	tagagcttgg	ggtagagagg
7261	atcgagttcc	acattgcctg	aggctctcta	ggccttccag	gggtctcaaag	aggacttttg
7321	agttctccca	ggcactccat	atcagaggct	ggaacacccc	ctttcacttg	gtagtgtctg
7381	taggacttga	gcagttcagg	ccagaggcag	agaactaaaa	tagtttaaca	gcgaatctag
7441	aagctcatct	ggggtatatg	aaaatggaca	cccaatgggt	gttcaatagt	tttgagcaac
7501	cagatgagga	tctggccatc	aggtgctttc	tgaataaac	ttctcaatag	gtcttttaac

FIGURE 5-C

7561	agctgccctc	ccttttccat	agatataatg	tgaaaaaaaaa	tgtagctgga	accacatgaa
7621	taccataggt	tcttttagaaa	tttctctcaa	gttacaagaa	tttagtgact	taaacaggag
7681	gattattttct	gatggatcca	caaaatatgc	tgaaatctgt	ccctacatac	cattgacata
7741	gagagtgaca	gaactcctgt	tccttcctgc	cacaaagggtg	tattctcctg	catcgctctg
7801	tctgggtctca	gagataaaca	ttcgggtggat	tcttctYtcc	actacatatt	tgtgtcgttc
7861	ttgaacttgg	aaattgattt	caatgccatc	tttataccag	tgggcatcaa	catcgtcttc
7921	attgacctca	aattcaacaa	cagcacgctg	tttctcaatg	acctgttgat	ggaacaacat
7981	aaaaMaacaa	caacaacaac	aaaaacttga	agctctgggt	tcctcccagt	taatcaattt
8041	ctaaaactgg	tcaatgaatg	gcatgtgaaa	ccaatatatt	ataatgtaat	aagttggctg
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8341	aactttgtgg	gctaggtagg	aattattatc	ctcattttta	gagtgagaac	actgaggttc
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8761	cttgttctaa	atttccttaa	ttctaattga	tgtgtgaacc	tcacgattta	catttttaatt
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8881	tgttttaatt	aacgtattta	gacagctgct	agggacaccc	ttattccctg	agtggaaact
8941	gtgactaaat	tgaggtcagc	ataagagagt	ctaagccaag	taagaatgag	ctgatttaat
9001	tcttttaaagg	atggtgggta	gaaaatgtaa	aagggaaaca	ttaaaatata	aatgataga
9061	ttatggacta	ctgatgattt	ttcaaaacat	ttagtatgta	gacaatacct	gaacctcctt
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9181	gcctcctgcc	accactgtgt	acttcccagc	atcagacatc	cgggtggatg	ggatcagaag
9241	gcggtggaca	tatttctcct	tctgaatctt	tattctatgg	atgaaatgga	aattcgagtt
9301	taccgtatgg	tgattcagag	gaaactggga	atYactggaa	tgtagcaaga	caaaacaact
9361	gacctgtctg	tgatctgcag	ttctgtgta	tttttcatcc	actgtacagt	gatgtcaggt
9421	tcagaaactt	cacattcaaa	catcgtctgc	ttcttctcca	gtaccttaat	gtccttaatg
9481	tgtttcctaa	attctatatg	acgagctgga	aaatagcatg	tagaaaaatt	aacattttta
9541	acagctttat	tgagatataa	ttcacatact	gtacaatcca	ccaattttaa	gtatacaatt
9601	caatgaattt	ccatgtattc	atcattgtgt	agccatcacc	ataatttttag	aacattctca
9661	ttccccaaga	agaaatcatg	taacccttag	ccatcacccc	aaggactttt	ctattgtctc
9721	ccctgtagac	ctaagcaacc	acgaatctac	atctctatag	atttgtgtat	cttggacatt
9781	tcatataaat	ggaatcatac	aatatgtggg	ctttgtatgg	tctctggctt	ctttcactta
9841	gcataaagtt	ttaaagggtc	atccatgttg	tagcatatcg	tagtgcttcc	tttttattgc
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9961	actaaatttt	ataaagcatg	tatgacattt	ttctatgga	tctaatatgt	atgaaaccat
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10081	agcatcccca	aagtgaacat	tcctgatgtt	cagtgaagtgt	gtgagctttt	tggttctcat
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10441	aggacagtgc	caactcacag	aggaacagaa	agatcaagtg	atagacactg	aggcatcttt
10501	ccaggtagcc	tttcaatgct	actctaactg	gaacatttta	tccagggtgga	gatactagtg
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10681	gcagccttgg	ccttctgggc	ccaagcgatc	ttcccacctc	agcctcctga	gtagctggga
10741	ctacaagtgt	gtgccaccat	gccagctaa	tttttttttt	tccttttgtc	tttgctagag
10801	gcaggatctc	attgtatttc	ccagcctggg	ctcaaaatct	tgatctcaag	tgatttctct
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10921	gattttttgag	tggtcagcaa	agtgtaggat	atagaatatc	aatgaatcta	ctgaatatatt
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11041	gggtggcact	gacttgggtc	ttgccacaga	caaagtgtga	ttctgcccag	tcctctgtgc
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11161	tcactctcaat	ttccacacca	ttcttcagcc	acatggaagg	gacattgaag	tgggacacct
11221	cacactcaaa	agaggcagtt	ttggtctcag	gcacctcgat	atttttcatg	gtttttgtaa
11281	tatgtaatgc	ttggtaaaat	caaagagcac	ttcagttaat	acaatttggt	taaaaagtag
11341	atgaaaccaa	acaaatagat	acatgggggt	cattaaggaa	agggctgtag	ggggctgcct

FIGURE 5-D

11401	gatacttact	ctccacaaac	agttttgctt	tgcattccaa	ttgcccgacc	acagctgtgt
11461	attccccagc	atctgagggg	gagatgttct	gcagcatcag	cttgtggact	ttcctttctg
11521	agaccagtct	gtgtttgtca	cttggtctaa	tttccacaYt	cttatggaac	catttttactg
11581	gaacagtgtc	atgggaaaca	ctaacttcaa	aggcaacagt	ggcattttcc	aaggctgtca
11641	catccttttg	ctttttaatg	atcttgacag	ctaagaggaa	aattggagca	attcagtgat
11701	agggttaact	taatggtaac	catgggctga	ctgcttgaaa	agtgtttcta	aatcaactta
11761	ctctccacgt	gcagtctggc	actggctcca	agccttccaa	gcctgaagcc	ataaacagac
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12061	aatggcattc	tcaaggaaaa	gaagctctga	acaagatcat	tgcttactca	cctgcacaaa
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12181	tatttagggg	aacctgggat	ccaactggac	atgtacatcg	tgaaatgatt	tttctatgct
12241	ttagtagtat	gaagtttgca	tagctatgta	ttagcagcat	aatagactga	ttggagaagg
12301	gtgaaagacg	aatggagaa	cagtgtctga	tttagctgtt	tcacagagct	ttaacctaag
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12421	caggaagggt	tagaggatct	agaatgactt	tatgaaatga	aaatttatgg	taYccaaaa
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12601	cttgtaggta	tattctccaa	tgtcatctaa	tttgggtggc	gcaatgataa	gtctcctttt
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12781	agctacggtc	tgatctgtga	gtggcttggg	gatggcccca	cctttggaac	aagagatgta
12841	cagtatgagt	cctttaaaca	tattcacaca	atgggaaaaW	ccttgcagaa	gtaaatataa
12901	aatatacaat	ttaagaacat	gattttgaaa	tcatgaaatg	tctatgattg	tttttaccca
12961	tattgagaag	gtaccaaaga	aatcccttat	tctaagtatg	cataactgat	aattaggaga
13021	aatactggaa	tcagaaaagt	tttgtgaaga	aaaaataact	gttgaattaa	taggaaattc
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13141	tacttggctc	tttaatgatt	atctcctggg	aatctgatat	tttgactaca	taaaaatttg
13201	ctaaacaaaa	tgtacgagtc	atcaatgttt	ctactacatt	gaggatttct	atatattaaa
13261	aatcactgtg	ttggcaaatg	tgcgccattc	tatgaagttt	cacccatttg	cctccactct
13321	tatcatccat	tagcagaaat	aattactgct	ttacaagctt	agttgcttat	gtatctgtcc
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13441	tttctacaag	tgtctgacca	atggtaggta	ctttaaaaac	actgggtgaa	atcacagagg
13501	agttcatagt	ttattcctgt	ttccacacat	ttaaaacatg	taatttatat	taaatgata
13561	aaaatgctga	atctgaaatt	ttgttttaca	agtcttttca	tggctYgatc	tctgaagaaa
13621	tcttataacg	taagtaagta	taaaccatga	aactttcata	ccaaataaga	caaatcatta
13681	ccatatgact	tgcttcaata	ctagatgtaa	tggacaacac	gatctgaatg	taacatctca
13741	actcctcaaa	atttaaaactg	taatgaacca	aacaaattaa	tgatgacttc	tagttttttc
13801	tggcaattga	tttacatttt	ttattcttca	ttgtaaagct	aagaaattct	actgaatgat
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13921	atttattgat	ttcattaaaa	agtaggaaga	aaataaaagg	cacaaaggct	aaagaagcaa
13981	gaatggctaa	aaaaggaaat	aattccttag	agtaagggaag	tttaataaaa	gctcaataca
14041	gcaaacacca	attgattatc	tgtcatttgc	aatatatttg	aatatacaaa	tagaattcca
14101	gatttcaggga	gtttatacac	tgatattgaa	agaggaaatg	gggaataaga	caagtgcata
14161	ataaacacta	ggaaagaggc	acataataag	tgatcctggg	gttggatgag	gaagagatca
14221	tatacaaatg	gagagattaa	ggaagggtta	atggagaagg	tgacgtttga	ggtaggccta
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14341	acagcataag	cagaggcatg	gaagtgggaa	actgaaagga	attttggggg	aatgaataaa
14401	taatttctta	aaataacaat	cactcctcgt	aagaatttag	gttaataaat	ataccaacct
14461	gccacagtaa	gttttccaga	tgtcatattt	tctcccgcgt	aaaatgtgta	ttttccttca
14521	tcatactttc	tcataatttag	aactgtcaat	ttatatattt	ttccatgtgc	ttcaatttta
14581	tatttagaac	tgggcttgat	ttccttgtcc	ttaaaattcc	acaggacatc	aattccagag
14641	tgggacagct	caacctcaaa	caccacattt	tgagtttctg	tacaggtaag	gtcacgaaga
14701	cctctgataa	ttttaatttc	tggggaaaaa	ataaaataat	ctcttggtta	ttgttacact
14761	gggaaagtag	aatgcttaaa	gtaattatta	gataggtaga	ataatcctta	ctttctacag
14821	agagattaca	gttggtttca	actctgccaa	ctatcagctt	Rtaaggctct	tcgtctgaag
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14941	catcaggctt	gatttgttca	tcatttaagt	accacttaac	agaagtcaca	tcagggactg
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15061	ttatcacgtc	cacacctgca	aaatcataca	cacacaagat	gaatgaattt	tgttgaaatt
15121	gtctgtctct	tgaagttctt	tatgttgctt	aatagtgtaa	acataaaatt	ttataatttag
15181	gactcactat	agacagagac	acgcccactg	gtggagaggc	caagggtctg	aatgggtgaa

FIGURE 5-E

15241	gagtaatttc	cagcatcttc	cttagtcatg	tcttcaatga	gcagcatatg	agattgtttg
15301	tctatcacaa	tgtgaacctt	gtcactgggc	tgcacttctt	ggcgtctttt	catccagacg
15361	ccttccacac	tttccaagga	gactttaact	tcaagctgaa	caatgtcacc	ctcacagact
15421	ttttgggtcac	taagtccttg	taggata'gca	atggggcggg	ctgtgaaata	tggggagaaa
15481	aagaatgtta	tgatcatttt	ttatcaataa	accataatga	tgctcactgc	aggctgacag
15541	gaatgggagg	acttacgttt	catctttaat	ttacaggttg	tctttttccc	gtcgatgaca
15601	aagctgtatt	ctccctggtc	ctccttggtt	acatccttga	cogtgaggtt	ctgacgtcca
15661	cgacgagatg	taattgtata	tttgccattg	gatttaagct	ccacatcatt	atgataccat
15721	tttcccttcta	tattttctgg	ggatacaatg	cactctaatt	ctcctgaata	tgattctgga
15781	acttctatgt	cctgaagttc	tttcacaaac	tcaacaactg	cacctgaagt	gtataacaga
15841	aagataaatc	aatttttttg	gagaggtatg	catctagact	taggatagag	atgatgtctt
15901	gtatgtcttt	tatctccccc	atactatcag	gtgtattctt	aatatctacc	cgtgatggg
15961	ctgagagata	aattttcaat	aagaagcagt	tatttttattt	taatttttaa	atatttttga
16021	aagtaaagaa	ttatgcttca	ataaaaaact	taaaagctaa	aatcaagat	aatactactt
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16141	tggctatgaa	acttatagtc	aattttccaaa	taattgtttc	atgaaagaaa	aattgcatag
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16321	acacagctgt	aatcttcagc	atcagacgta	tcaatgggtca	gtatggagag	gaagtgaacc
16381	tttctgtcag	agtgcacctt	gtatttatct	ccctcatgaa	cctccatacc	atctttatac
16441	cattttcactt	tgacaaatgg	ttctgaagtt	tcacattcaa	agggtgccat	agtgtctttt
16501	tccttagctaa	caacatcttg	taattctctg	gtgaaagtga	tcaattgctt	ggctacaaga
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16681	atcaaaggaa	agacatgcaa	attaccttgg	acaagtaaga	atgcgtgact	ggaggtttct
16741	ccagctatgt	tgatggcttt	taccatgatg	ctggcagagt	cctcagcagt	cacatctctt
16801	atgaccaatt	cacaaacatt	gtcttcgggc	cagtaccagt	agatccggtc	agaccgttca
16861	attttgacac	catttttgta	ccattcacat	tgggggtctg	gtttccccc	gactctgacc
16921	cggaagtgtg	catcagatcc	ttggcccact	gtttggctct	ggattctttc	gaagattttt
16981	ggagcctcca	tactaggact	tagttcaatc	ttgtcagggt	taaaagttgg	aatcgtgatt
17041	ttgccttctt	cggaagagc	ttctttttcc	tcttcagtta	actcttttgt	ccagtggaga
17101	agttcttctt	ttgtcttctt	gaggagtctc	tcataaggatt	catccttctt	tcgacagtgt
17161	agctccacag	cggtaatggc	ttcataatag	ccctcttctg	ttctgctgtt	gaattttactg
17221	cgcagctctt	ccgactcttc	aggcactttt	tcattgggtaa	ttcttttcagc	ccttttcaac
17281	ttcacaaactt	ctttgggtttc	agtgggtgtca	acaggtctat	ccactttttg	tacttcaaac
17341	tgaagctttc	ctgggttcatt	tacgtgaaac	tcaggccttg	gttcaggagc	tctcctaagg
17401	acagacctaa	aatcttccct	ctgttcaatc	tcaagcttca	ctttatgctc	tatcacacct
17461	tcaggattttt	ccgcggtgac	cttcacttca	cctgtgtcat	atgatttgca	gtccacgatg
17521	tcagggtaat	ggataccatc	atagcgaact	ctgaaccttt	tgcttttgcg	gatgagctgt
17581	ccattgaggt	accagttgac	tttgggctga	gggtagcctg	ttaccctgca	gcggaacctt
17641	gcagctctcc	cttcaagtac	tctaactggc	tctgggtaca	agacaatgtc	tggcttttgc
17701	ttttcttctt	gatctgttgt	tacacctgtg	agtgcacctt	catgagccat	tctctctaatt
17761	tcttcaattc	tctgtaagcc	tttctctccc	tcaggcaatt	gggattcttc	cacaagactt
17821	ttctcatctt	taacaataag	ggtagcagat	gtgtgatctg	ttccatattt	gttagtggct
17881	ctgcaagtaa	tgataccact	gtctctagaa	tatgcaacgc	cataatcaag	gctgcagtac
17941	ccaaattcat	tgatcatacg	gagcctgttg	gctgcttcaa	gtggctttcc	atcatggagc
18001	cactccacca	ccatcggttg	gtcaccaatg	gggtgttagcc	tgcattcaaa	gtgggcaggc
18061	ccaaagcgct	taagtcttaa	ggaagtgagt	tttttcttga	aaaatggttt	ctgtgttttc
18121	tctttgtcat	agagatcacc	ttcttcccat	tgctcttggc	catatcgcaa	atggaggggc
18181	tccagttctg	gggctgcaat	ctccttttgt	ctatatgtcc	cccgtgggat	gattaacttt
18241	ctctctggct	caggctctgc	aaactcaact	tcaacattta	ctttgcatct	tgtagtgtct
18301	ctgccagctt	tattaatagc	agtcgcagta	taccaggcag	aatcttggct	gacagtggaa
18361	tcgatttttaa	gggcagcttc	tcccttggtt	ccttcaattc	tataaaaagt	tgggggaggg
18421	aataatcaat	atagtggtat	agcttccctg	gttattggat	ttgtataatg	agcttagctt
18481	tattatttcc	atacttacct	gattttggga	tatttatgag	gcacaatgat	gtcactgttt
18541	ttcaaccata	caatgtcagg	gttgggttta	cccgtagctc	tgactttcat	ttcaagtcgg
18601	gaaccttctt	ttatattgac	atttttcagt	ttttctacaa	acatcggttt	tacctgatgt
18661	tccacagctg	aaagagaaag	gtcatgatgt	agagggagta	aggctgaaat	acctgtttat
18721	aacccaagtg	ataagaaaat	tcatttatatt	ttattttatc	tcattttacc	ttccacagtt
18781	aaaatcactg	aaattgaaga	tctgcctgcc	ctgttttggg	caaccacagt	ccattcccca
18841	gaatcactgg	gtgtggcagg	gacaataaatt	agtgattgag	taccatcttc	tttaatgact
18901	actttatggg	tatagtcatt	gacaatttgc	tggcctgtga	aaatatgttt	aaaagaaagt
18961	agatttttaa	atagttttta	aaaattgtta	gatgcataca	taagcttggt	tttgtgtttt
19021	tatgattcat	gagcaaaaac	ttatcacgct	taccatcatg	aaaccagaac	gtctctggca

FIGURE 5-F

19081	taggtctacc	aacaaccttt	aagtcaaate	tggcagtttg	cccttctaaa	catttgaaag
19141	aaacagggtt	taacacaaag	actggtttat	atagtctctc	aagttgtgac	tcatctgtct
19201	cctccagcct	acgtccaggg	gacattcttg	caggggacat	ccgtgcagga	gacatccttg
19261	caggtgacat	ccgtgcagga	gacatgcgta	taggagacct	gctcactgaa	cgtagagaga
19321	gagatctgca	aaacaaagac	acacaatact	ttcgtgaggc	ataaagaaaa	ctcagcaaaa
19381	caaacttcat	tttgtcttat	tcattattca	tgttatttta	gaatttactt	cttgcacgta
19441	ttagaaggca	cctcaaactc	attcagatct	aaaatagaat	atattattgt	tgccccaca
19501	actatgtttt	tcctatatcc	tcaatttttag	ctggtagtca	ttcagtatat	ccagggtacc
19561	aggctcaaaa	atcttggaa	aatcctcaat	actctctttt	ccttaccact	tggattta
19621	cagtcactag	acttttttga	tttaactact	aaaacatcct	aataaatgtt	ggttggataa
19681	gtaaaccaat	gaatacattt	atggaaaaat	aaaaaataca	catttctttt	ctcagaggag
19741	gaaaacatag	aaatgaattt	ggaaacaaaa	caaagcaaaa	caagactcca	tctacacatt
19801	gcagccagac	tgacttggag	tttgaatgct	ggcaccaccg	cttacaggct	ggatgaatta
19861	agacaatttt	catagattcc	cagggcctca	gtgttcctat	ttccaaacca	ataatagtca
19921	tctttttatt	gcagggtctg	tgtataaatt	tacatatgta	aaaatcaggt	gtcaataaag
19981	agctattgtg	atattagcta	tagcactagg	aaaataaaca	gtatgttaca	ctgatgaaa
20041	ttctttgctc	atctttacaca	ggggcaagaa	ataaaaaact	ctggcaattg	ttgtgtgtgc
20101	caatggtaag	tttctgtgcc	attttagccc	tcgattttct	tcttacacaa	tagcaatttg
20161	ctactatttg	atgttttgaa	aacaattttac	atactaaata	acccaaatta	ttacaagtct
20221	tacctgattc	tgctcactgg	ctctagtgtg	ggaatgtaag	tcggagctcc	aagtgggtgca
20281	gcaggctcca	catacaattt	ccctgagcaa	attgcatttc	ctttaatatt	gctggcaaat
20341	gcagtgtaga	ttccttcatc	ttctggaaga	acaacaggtg	tacgcagact	agctctgccca
20401	tcttgtagaa	agtccatttg	gtatctttct	ccatgtttga	tgcgcttgcc	atctttgtac
20461	caagcaatct	gcaaagaata	ccatgcctgt	atgaataaaa	tttacatcaa	atagttatat
20521	tttaaccaat	ttgtatcttt	actgtggcaa	ggagctatga	taaatgttta	tattttacct
20581	ttggtaattg	atatccagac	atcttgcatt	gaaaagtgc	acccatcccc	tcaagaattc
20641	tataattctt	gattcttRaa	tcaaatcctg	attcaacagc	ttcagattca	gaaatgtcaa
20701	ctgccatctt	ttcttctcca	tcttcttcaa	gaagtctctc	taatgtagtc	tttattattc
20761	tatattcaat	ttctttaata	agtctctctt	caaaggaaga	aatatggaat	tcctatgcaa
20821	aaagattatg	gtctgttaaa	aatacatatc	cttactgata	taaattattt	aaggagatgt
20881	atctgagcta	gactgttgaa	gttttttagt	gggagaagaa	tctagaggac	tttttggttt
20941	gtttgtttta	atctgcatta	tgtctatctt	tcccagtgaa	tgttgtggca	ttgtgtgtag
21001	aaaggtattc	caaaagcagg	agtttagattt	gggttagagg	ttacattagc	ttatcacaca
21061	gatgaagaga	tcttggcatg	aatgaactca	gctgtgctaa	tattgggtgt	ttccttaata
21121	tattataagc	cctattttta	aagtcacatt	tatggcctat	atgtaatctc	tatttctaaa
21181	ctcacagggt	caacatacca	tgaagattaa	ggaaacttag	caacagtgaa	cttggacctt
21241	ctaattgctg	tctaaccocg	agctatcac	ttgaaaatga	aaatatcaaa	taaaaaaagg
21301	aaagtataat	ttatgaaatt	gtttgtgttg	tcattacttt	tatactcacc	tgatcttcta
21361	cataagttct	gaccactaca	gtatcttttg	ccattttctt	cctaattaag	gctgttctt
21421	tttcatactc	tttttcatac	tcagagtata	caaatccagg	tgctgtttct	ccaactttag
21481	gttcttgaac	aaatgcagtc	acttgtgtct	gataaagcat	ttcttgcctg	gacttcatca
21541	gttaactcata	atcagctaag	agttgaagac	atcagttaat	ttttatgtct	cttattagaa
21601	aacagtcata	ccactatgca	ttcaggtaaa	ctctacactg	gggaaagttg	ataacaaaaa
21661	accaaatttt	ccaaatatct	actattgaag	tgctcaatat	tttctagatg	gaatttggaa
21721	accaaactaa	cactaacaaa	tccaaccagc	cattacaatt	gtagaaagaa	ttttatatta
21781	gcagtcagtt	ttggggggat	ctaccacgga	ggacttccta	atttgcctgt	gtctttttaa
21841	caattcattt	accttcctga	atattgagtg	ctttatctgc	taaatgaaga	taattattgta
21901	atttcctcta	agggatactg	tgtaggtcaa	gtgaaacaga	gtgtgagcca	gttactgta
21961	aatgtgaaca	gtctagcatg	aaagctgtta	catttgtttt	caagttataa	acattgaaaa
22021	tcctgacttc	caggttttct	ttaagatatc	aggagctcta	gcaacactga	gcctggtaac
22081	agcctgggtc	atgcctggca	acaacacagc	tactgtctct	tgaggcagg	gcacctactc
22141	tcagttttgc	tactgttttc	attgagctca	ctgttacctg	cctgggcctg	gaaggcaacY
22201	ggattttagaa	tctctgcatt	ttcagaggca	tgatatgcct	agaaacaaat	acaacaaaaa
22261	gaaactattg	ctagaacctc	agaagtttaa	tgacagtata	gtttttgagg	ccatgtgggtc
22321	taaaacattt	tccatacaac	tgaggcaaa	acactggggc	aaagtatcag	aaccagtaag
22381	tggaacacag	tttttcagca	aacggacagc	actgctatct	ccttgtattt	cagttcttat
22441	catgcacata	gaaactggag	ttgcacttac	cttcttcaag	caagggaagca	gatgcagaag
22501	tttctccatg	cttattgcga	acaacaatag	tgtattctcc	agcatcatca	gcaaaagtca
22561	tagaaatcac	cagcttgcat	tcaccggttt	gtttgttgta	actcactttg	tatctttatg
22621	taaatgtaca	aaatttaaaa	atcagttatc	aacaactctt	ctgtgggtaa	aataattgga
22681	cttatctgtg	agtggatctg	tggtataaaa	ttcaatgacc	ctaaacatat	cctaagctc
22741	cacaatagat	tataagattg	ctgaaaattg	agaaaaatgc	aagaacatga	gtaattaggg
22801	ccaaataagt	taaaatattc	atttttaaaga	atattttattg	ctagaatcag	tcatgaaatt
22861	aagtgggttt	cagtgtttat	gttagcaaat	gatcaggtca	cttaacaac	aggtattttc

FIGURE 5-G

22921	tctttgttgc	ttatttttct	cattatttca	ttcagagatc	aaatgaataa	ttaaacaat
22981	aaattccttc	aaatatttca	gtatttaactc	tctggtacat	tatatttatt	attatgaagg
23041	tacggcacct	acatttttag	attaccaggt	tgctcttttt	atcttaaatt	gcaaaatatt
23101	cagagctaaa	ttttatattg	aattgaagaa	aaattactag	catagatttt	tgtgcataac
23161	tagcttttct	cttcattaca	tggctattct	tctatctttt	agtcacttag	ttattacatg
23221	tttttattga	aaattgtctc	aaatcttttc	tggaagtgtg	tgtgtgtgtg	tgtgtgtgtg
23281	ggtgtgtttg	tgtgaaaatc	catattttct	ctactttcac	aaactcaatg	aattaaacta
23341	taatgtaaag	aaatatatct	tccatccact	tttgtcacat	agcttttatt	cttaggaaga
23401	ctttgcacaa	aaaaaatgta	aaaatacctc	aaaacaaact	aagaaggctc	cacaatgaaa
23461	gagcctatgc	tcagggtcgg	tggggtgagt	aaattctact	ctaggcttca	tgcacgtatt
23521	atacaagtca	cagagaactc	tatatccagc	catcaaaata	cctgtatcca	gtggttagag
23581	gaacaccaga	ttttttccag	tatacatggg	gctttgggtt	gccgccaaact	tggcatccaa
23641	acaccacgct	cccaccttcc	accagtttct	ggaccactgg	ttttgtaata	aagtaaggcg
23701	cggcagggtc	tccaggccct	gcttgttctc	ctgtgaggct	agtatcagtc	ataaccacat
23761	ctcttgactc	aacaaagctg	gaaagagaat	tcccctcata	ttagcttccg	ggttgcaatt
23821	tggcaatact	ggtggggctg	aaagtcaaaa	tggtactaga	acagctacta	attagcaaaa
23881	tattttaccg	tttctcttct	gtagtaaat	tctcagtcac	ggctgtgggt	tccttttcaa
23941	attcttctga	cactaaaaga	agacaaaagt	ttctcattga	gatgagatgt	ttagtgaccc
24001	ctgcttagca	ctgacagtta	aattgaccat	ataatctccc	cccaagttcc	aaaaagggac
24061	atcattttcaa	ggtgcacaga	aacctatttg	tggaaaagag	tgtcagatga	aagtgtatgg
24121	atgtgcatta	ggactgtggg	aggggtggca	ctaaccctgc	acagccagat	agcaggatgt
24181	gctgacgggt	ccagcctcat	ttacagcaact	gcaagtaaat	cgcccgctgt	cttccgcaaa
24241	tgcttcgcga	atcataagac	gagcaattcc	actctggaag	gttatctgga	agtcaatgga
24301	actttcgatt	tggtagtctt	ccctgtacca	tgctactgtc	ggggatgggt	atccagagat
24361	gtggcactcc	aaggtgacag	attcaccttc	tatgacagtc	acatttttta	agccctgaag
24421	agaggagaaa	aaataaataa	tgatacgtgt	gcatattcat	taatcacttc	tgttttgtaa
24481	caaatgtaga	gtttgaactt	atgcatttca	actgccacaa	aatgKccttt	taatcaggac
24541	tccagaaata	gtagtagaga	aactaatatt	tatataatat	actaatatat	tagtaaagag
24601	ctgtaaggct	caatagcaaa	tgctacctat	tcaacaaagc	tttgccatgg	tatcaccaac
24661	tggaatgaat	ctatgcctcc	catggattct	ccttctgttg	tgatgtttat	caccttatat
24721	attttattat	gcttgtttgt	gtacattttc	tctgatggca	aagaaaatat	tcaaagagg
24781	gatggattgg	tctttatgtc	tgcacagctc	ctgcaataat	gccttctgca	tattagaagc
24841	tcattaaatc	ttttgaatcc	atgaatgatg	taccacatag	aattcccttc	ttccttgcca
24901	aatatggtca	aatatggtct	tccagacca	atacggctct	aaaatgagca	tctgtaagct
24961	cactaatgtc	atttttgtat	taatttgaga	aactgatctt	tgcaaacgtg	tattaaaatg
25021	atttgaggag	atatgaatag	ggtccagcat	tatcaacttc	tttactcacc	gagaccaaa
25081	ttgggtggag	aacaggaatt	tcaacaggtg	ctggtaactc	tgctgtttct	gttacctaga
25141	tttttataaa	ttatattaca	aaatgctcat	gaaattaagg	gaaatctcat	aaactcttag
25201	ctcatgcaac	attatataat	tataaaaata	taaaaataat	tataaaaata	atttgagaaa
25261	atgatctctg	accataacta	tgctccataa	aaatcaagtc	ttagtatggc	aaaggagaaa
25321	ggcaagactc	cactggctac	ttttcagtac	aaactagcca	accacctggc	ctctgtcaat
25381	gggtagggac	catgtaacag	cgggtaacca	gtgaccaacc	ttggcttcgc	gtccgtgcag
25441	tacttcaaag	cgctcttcac	ggacggtgg	gccagtgatg	ctcaccctta	cttctttttt
25501	caactcaacg	ccagcttcac	tcttgtaagt	atctggtgtg	tcagcgaagg	ggaactgtgg
25561	caagggtgtg	ggctctgccc	ttactctagt	ctcactgggc	ttcacagtag	gagccttcac
25621	cgatttgggt	atcttctgag	cagaagatgt	ggctgacaac	tctttttgta	atgtggcaat
25681	agcactaccg	gctattgatg	ctacatgga	aacagagtca	gaaaataaag	tcatttaacc
25741	atcctccgat	ggctagccct	cttgactga	gtctgagcct	attttctata	aggtctgttc
25801	tttaatgttc	tcattagcac	tcattatcac	acagttaatg	aaaagtcatt	tagagataag
25861	ccaattataa	agctccttgt	catgcctgtt	agtttgtaaa	acaaaattta	aaatatcttt
25921	tttaaagagt	tgtattcaga	actccttatt	ttacagcttt	tatcataaaa	ggacaggatc
25981	ttctaaagct	tagtcacgaa	ttttcactta	accattccga	tgaatgccac	ttttgaaaat
26041	accacagtgg	gagattcaaa	attaagaaat	tattgaaatt	gttggtaaat	gcctaagaac
26101	tactttgcaa	tagtacattt	gggttttagc	cacaaatcta	tgtgaaaggt	aaacatgaag
26161	acattcagaa	aaaatathtt	aaaggtttcc	ttactgcttt	tattctgttg	tggctatagg
26221	ttatttgttt	tgtaatgttg	gactaaatca	aatataggca	ttatatgtaa	cttacagttc
26281	tttgaaggca	tagaagggtt	gggttctatt	tcttggtatg	gtataataac	aatagtgtact
26341	aatatcaagg	atttattaca	tgctgacaac	tgMaggtttt	tatgtccttt	ttacttgcac
26401	ttacatgta	tgcttacttt	ctcctgatga	cagagattat	aaggggagaag	atagggcact
26461	aatccagagc	tatttgattc	cacaatccaa	cccagaccac	atacagtacc	acctctccat
26521	cttgcataat	tgagtataat	aatatatgat	ttctcaatgt	ctgtctttat	tattgaaaca
26581	cattccagct	taagttactc	tgaagtgtct	cacagcataa	gtaaaactat	gctgtgtaac
26641	acactacctt	tcacaaaatc	attagaacaa	tagtaatcaa	aacaattgag	tttgagctgt
26701	ccctgaaatg	tgaactagag	agaagcctgt	gtggatttgt	ctctcctcag	aggtataaga

FIGURE 5-H

26761	taaccacttg	tgactctagg	ctcactcccc	tgggcgagtt	tcagaaacca	aatcttttagg
26821	gtgtctgggc	ccactgtgaa	tgcaaacaca	cgcacacaca	catcaccaaa	aaagaatcct
26881	ccattggcct	accccagaga	tgctctgttt	cacaggtttag	atacttattt	cctttaaaca
26941	tttctgtatc	atgctctgta	acttcttacc	tcatatccat	gttctgtctt	aggaacagaa
27001	atTTTTGaaa	cagtaaagtg	agggctagct	gtgcgggggc	gtttatccac	atggactaat
27061	ctttccgttg	ttagatctgt	agttttcttg	atctgcattg	aaatgaaact	cagtgatacc
27121	attgatcacc	agatgaccac	agcagtgagg	cttgctttac	catgaacaag	gtgaaaaatc
27181	agcagggtata	gactcacctg	tgatgatatg	tgcattccct	tttgatcagt	agttttgata
27241	tgagtctcag	aaggagcctg	gattactcta	ggcttgactg	ctttagggac	aacgtggggt
27301	tctgaggctg	gacgttgggg	aggctcagct	acctttgcgg	cggaaatgcg	ttccttatat
27361	ccgtactcca	aagtggctcg	ctgagcatag	gattcttcaa	gatgcccagg	ctctctgggc
27421	tctctgactc	gggcctggtc	tactgcagca	acaactgttg	ctacagcttc	agcctttttt
27481	ccaacgtcca	cctggagaca	aggtttccag	aattaatata	taggaatatc	gagatcaggc
27541	tggaatatct	cctgggcata	aggacaggca	gatggcgtcc	acattatata	gcagtgttaa
27601	cgtgtctaga	aatgtatctc	agaaacactt	ttagggacta	tttcattgat	tattatattg
27661	tacagacata	tatttagata	tactctctgt	acacctactt	aattatacta	gacattaaat
27721	cacatatata	caacatagga	caatcacaa	atgaacataa	aatcacaa	agatTTTTGaa
27781	atTTTTctaga	atTTTTccag	gcagacaatc	aatcagcaat	tggaaaaatca	gaatTTTTgga
27841	gctggttctt	ttcactgatt	atTTTTatta	tcttggtgac	catttagtct	ggtattaatg
27901	cagtgcacgt	gatgatataa	gtgcactcaa	ataccgtcat	catcctgtcc	agaaaaatca
27961	gtgactacag	agttatatgg	ttgcgatcaa	atcggacata	acatgaaagc	tcacaaacac
28021	agagtgcagca	tatgaattta	cttatgattc	cctaagggta	agattgttta	atctatcaga
28081	aaataccttt	cttaaaacac	acagatgaca	aagagaaccc	cgtgcaaata	aaaatattgt
28141	gattaaaatg	aaagtgttat	catgtttgga	ttcaagagaa	caacctttca	cattgaagtt
28201	taattttactt	tcattattat	ggagagttaa	agcaaagaat	gaaacaaata	ttatTTTTctc
28261	gtttctgagt	ctgatgaaca	ttaatggaaa	tacaatttgc	agaggagggt	ctctTTTTaaa
28321	gaaggcaaac	tagctgatgt	ggcttgata	ttatgattct	atgtgatact	tggaaacagc
28381	atacctcaaa	aatcacatag	ccatgttcat	tttaaaagta	cattttaaaa	gtgcatttta
28441	aaagtaagat	tggaaaattt	tattaatatt	cagttttcta	tacctgtgaa	tagaatctag
28501	aatgcatcag	aaacattctt	caactatgct	acctgcatat	ctttaaaaat	tattctctga
28561	accattcaag	atataaatga	gatttttctg	agatggaatt	gggtcttttag	tgatcatggg
28621	ctttatccag	ggcttccttt	taggaagata	caaacaattt	catctgcctc	gaaggactgc
28681	aaataccatc	ttcacttttag	attgcatcat	ctcagaaaaa	aacataaaat	acacatgagg
28741	cttaggtgag	ttaagtttgt	ccattttattt	ttttcttttt	taaaaactat	attggcaatg
28801	agctgacttt	aattgtatag	acattttaaa	atgttaacat	cttcgcacaga	taacactaaa
28861	taaataaata	ttatTTTtgat	tgtagtgtga	tcacatttcc	actatatctc	atttgaacct
28921	tttagccagt	ctgctatgaa	gtagtgcgct	taagtcttaa	ttttatttta	acaatgataa
28981	aagaaactgt	caaagaaact	gtcatatgac	taaatatcac	acaactgaaa	tattttaaatt
29041	ttgttcttga	ttttaaacat	atggaaaaat	cttaatcatg	gtaaaatatt	ttaaattgag
29101	gaagcatctg	tctgtttttt	ccttgaatta	ttgtatatca	gatttatata	cacacactta
29161	ttggtggact	acaaatgagt	atgctggtaa	ccgtttttat	ttcttagtgg	actttgatat
29221	ctctcacatg	tttghtaacct	agagaagcag	gaagacaaat	tggactagaa	tactccaatt
29281	catacgagtt	aaatgctgag	aataaattta	ggagacataa	agaagagtat	tatttgggtct
29341	gacttttcac	tactagaaat	gctcactgtt	caactggagg	atggactgaa	tctaaccatc
29401	tctattgttt	tattgatcag	ttaaacaatt	agatggaaca	ctagaagcac	aattcacgac
29461	ggatgaaaag	ttatgagagt	tgatgtgaa	atgggatgaa	acaatacttt	tcacctccat
29521	ggcatcagtt	ttcatctctt	ctcgaaaaag	atgtatttgt	ttttgtttta	tagtgaatcc
29581	ttctctagtc	attggcgggtg	tggctggttc	agcagatttt	gcagtggtaa	ctactacttc
29641	agggtataaac	atTTTctcag	cttccatcct	tagctaattt	ttaacaaaaa	caagatagtc
29701	aattcatgac	aaaatttgaa	tggaaacaaa	agtaaaaagt	taatcactca	tgaagtatgt
29761	tgcatagtgg	aatttctgtc	atTTTtagaga	cttctgaaag	gctgatatgc	cattaaatgt
29821	tagatttgag	ttaaaggttta	aaaagtttat	cttaaatcat	atcttagaaa	aaaaagatgt
29881	agagtcagaa	aatgacactg	agggaaatac	aataggatt	caggccatcc	tgctaatagaa
29941	atggaaaaac	tttagttgct	aattttcaag	tggatatatta	gcaataaaga	atacaattag
30001	gtaaattggct	catttgaggt	aaatgacaga	gtcatgggaa	acagtttaat	tcatggatat
30061	ttcatagcta	caaatagata	cggtaactct	ttcatggcct	atgtgttaatt	gttctgtttg
30121	gatacttcct	tctctagatt	ttaatatgca	tcttgtttag	ctttagtggg	agctgctaca
30181	gcatgcatta	taattttttc	agcttatctt	ctcctctgat	atTTTacagga	gggaaaaaag
30241	ataaagtttc	atacaaagaa	aattatgggt	aatttactga	aataagtcag	actccataac
30301	ataatatact	gaatttatga	cccttcaaaa	cacacatctt	cttgacagtg	agtaagagtc
30361	ataactttact	tatacatctt	ccgtgttttt	aaaaaatgtt	catgggcctc	ttaaaattag
30421	cctgcatgca	atTTTtaatca	acttctggaa	gattcccaga	tgTTTaaataa	atgttgacaa
30481	taatggtgaa	gagataagtg	gagaaaggga	tatgtagtaa	tattaacaat	aataaatttt
30541	tttagtttcc	aattatttta	ttgtctaaaa	aataaatttg	gttaatagtg	actcatacat

FIGURE 5-1

30601	aagaaattca	gagacttgat	attaatgtat	tacaataagg	aatttcacat	gatatgtggt
30661	attaatgtat	tataataggg	gatttcacac	ttggaacaac	aatagtcacc	tttccatggg
30721	taacttggat	ttgttcttgt	ctagtagcca	tagtttctct	agttctcagt	attgtttctt
30781	gttctttggc	tttagcagta	gcaactgcta	ttgtagacaa	ggcagttttc	tcggcttcct
30841	ttctcatctg	attattacag	taaaatcaag	atttaagttg	aacagggcct	caaacacaca
30901	tagtatgacc	cttccccctt	cctcatgggg	atgcaagatg	gttattcagg	gttaaataca
30961	caagagaaat	aaactttcac	cggcaatgtc	tacatatact	gactgagaat	cacaaaactt
31021	agaaatgtta	gctattaaaa	aacctctaga	tgagtccctg	tgctactttt	taaaaattaa
31081	gctaaaaaat	gctaattcttc	atgcaaagaa	taatggtgaa	taaaatgaat	tataaatggt
31141	acagatggat	gaaaaatcaaa	tgtgcagata	aaattaatga	taatcagtcct	catattttacc
31201	attttgtttt	tagttaggga	ttttaaaagg	caaatacaga	ttaataattc	ataccatatt
31261	gtagtttaata	gtttactaga	aatttagttta	aagatgaact	tttcacagct	caaatatctg
31321	tattcacctt	ctcctgagtt	atttgcactt	gttctctttt	ggtagtaatg	ccttctctac
31381	ctcttgatac	taaatcttgt	tctttgactt	tgggtgtggc	aactatgact	ttaggtacaa
31441	ctgttttcct	agtttccttc	attatctgat	catacaaaaag	aaagtaagaa	aatagtcatt
31501	aaattccata	aatctttaat	aaaagaaacg	taagtcaaaa	agaaaggagg	caaaatttct
31561	tcctattcaa	ggaaatttta	atgtcactaa	aatatatcat	ttgagttact	ttgatcatcc
31621	atactgtttc	actggcaaaa	atatcaaaaac	aataagtcca	gtttaaaaga	aaaaaatgtg
31681	attagcaata	aaagactaat	gagtgctatt	ttgtactttt	cacatttttt	aaaactgcaa
31741	tctctgagac	atttcagtag	cactgtaaat	agcacataat	tttttgtatt	atgaattgac
31801	ttgtttaccg	acatctgctt	caataggaaag	atattaaagt	gaattattat	attatatttag
31861	taacaagcca	aagaaagtct	gaaagttagg	aatgaattga	cagtgaaagg	tagctgtgtg
31921	ggaaaagaaa	ttttctattt	gcattataag	aagaggtgga	agtgaagaag	tgatgattaa
31981	gatccatgat	gaaaaatgtag	gtgatttgca	aatgaaatgg	tgcaagagtg	actttcacat
32041	tggcaggaag	tcatcacctt	ttcataactt	agggtgcattt	gatcttgttg	tgtggtagtt
32101	tcttcttgag	ctcccgggac	tgtttctagt	tttgtggact	ttgcagtggc	aactaccacc
32161	atggatgcag	cagttatctc	agtttcttgt	cttatctgat	gtttagagta	aaataaagat
32221	ttgagtttca	aaagatacaa	aagcaatggg	aagacatcct	tgaaacactc	aggaaaatac
32281	aggatgctta	gtggtgaacg	ataaaatgtc	agattttccat	ttcagggggc	tacacttgtg
32341	cttaatacat	agactgcttt	cctgaggaat	gggcttcttt	tctgccacac	tgcgcttag
32401	caaatgttcc	tagaactgaa	catatctcat	cttgagacat	gtcaacgtgt	tagggaaccc
32461	ggtgggtggc	tgctgacaag	tggctggaaa	accataggcc	agctgaactt	tcagtcacc
32521	agcattgcaa	tggcaatggg	gatttctatg	cctttgatta	tcctaagtag	ggttcttgct
32581	gctttcaaaa	tgtctcactc	acagtaagga	gagggaaatt	cagtcagcag	cctctggtca
32641	gccttttaag	tgtacaagg	tctcaactgg	acctttaaaag	aaagtagctc	taagatcagc
32701	aaagagcttg	agttcaagga	ggatgagcac	aggcgccctc	tttgacatgg	aagaattcaa
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32821	tttagtgaca	ctgagattgt	cctcacacag	ctctacggca	caacagcagc	aaatgcttct
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33001	atgtatgtgt	atatgtgtgt	gtgtgtgtgt	gtgtgtgtgt	atgtgtgtgt	gcagttaaag
33061	tttgtgcatt	acaatctaag	tgtgtgaggg	cttaggctat	gcacgaagaa	accaactgtc
33121	ccggtgggta	actggactgg	catgatattc	atcatccatt	tatgtatgtt	ctagaaagtt
33181	catagatgtg	ccctaaactg	ttctgtagac	aatctcctga	aaactgatca	agtgaaggga
33241	aaatagtgca	atgtgaacat	aattttccatc	ctgagtttca	atactagaca	tagaggaaca
33301	ataacaaaaa	atatacaacc	aaagactttct	ccattttaagg	gttttgacta	taagctacct
33361	gcagctggct	gtaatgtgat	attgtcaaca	aactacaaaa	tatttagaaa	atcagactta
33421	ctgcttcttg	agttacttgt	ttctgtttct	tagtaatttc	ttcagaaatt	ctagtttctt
33481	gttctttggc	tttagctgcg	gaaattacta	cctttgggtac	aaatgttttt	tcagtttctt
33541	ttcttatctg	caaagaatga	tttaagaaaa	aacttttattt	cctgatgccc	aatgaaataa
33601	tatggtgttt	attaaatata	acaacatagg	aatttgaaga	tgtaaaatcc	cttttctgca
33661	gatgtcacta	aataaaaataa	ataatcccat	gttcataaat	aagatcatgc	tctttctctc
33721	cttaaactgt	aaattatgta	ggctgcttag	agaaaacaaa	gttgaattca	acactttggt
33781	ttgaacagca	gaattgtagt	cttcttttaa	atgacttcca	atgtttacaa	atagatctat
33841	ggcaatatta	ttctgtacta	attctgtcat	ctaaaggtaa	tcttagaata	tatatcagaa
33901	tggaagactt	tagaagtaat	tttgtctgat	ctttttattt	tacatgtgag	aaatcaagca
33961	tggataattt	ataatctgca	tttatacaat	atttttgttt	tgctagtttt	cctaaatact
34021	gtgaagaatg	ctgtttccat	ctgggcacct	aagggtatatg	cgtatgtagg	gggacagttt
34081	tctctatttg	cctctttggc	attctcaaat	atctcatcac	tgaaacacag	gatctcaagg
34141	ctgaaaggga	cttgaaattc	atctttctcaa	accacccaac	tgccaactgg	ttccactggc
34201	caagagctct	actaaactggc	ctttttccaat	ctgtcccca	atgcccggct	ctttggggct
34261	gtccttttca	ccttttctgg	tcatttggct	tgttaaagcc	atgctgtcca	ttccacttca
34321	aactcatgtg	caaatgtctt	ccgaaggagc	caggaagcag	ttgctaagat	ttctaagca
34381	aagtgagttc	agtgtctcct	ccacttttcc	ccattcctgc	ctcagcatct	atttcttctt

FIGURE 5-J

34441	cctgggtttta	gccatctgtc	ctctccctat	agtctttatac	ttagtgcatc	cccagatcaa
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34561	caaggggagc	attcagggac	actaccaaac	tttggtatcc	agtaccagga	aattttacaca
34621	tacaacaagg	ggatcttatt	agtatgctaa	caaccatgtg	gcccaggaa	caacactctt
34681	catggtaaag	gtgattatct	gtgttgaccc	ctgtaagaac	ctcagtgaat	ttaaaatata
34741	aacccatttt	cacctgtctc	tgagttacgt	gcactctgctc	ttgctttgtg	gtaattactt
34801	ctttggttct	tgattttaat	tcttgttcct	tggctttatc	ggcgccact	actaccttag
34861	ttacagcagt	cttctccgct	tcctttctta	cctgcttttc	atagagaaag	gaagaaaaca
34921	ccttaatgca	tcttacataa	aaattagttc	aagaccagcc	tcgccaacat	ggtgaaatcc
34981	tctactaaaa	aatacaaaaa	ttagctgggt	gtgggtggcg	acacctgtaa	tcccagctac
35041	tcacgagact	gaggcacaag	aatcacttaa	acccaggagg	cggaggctgc	agtgagcgga
35101	gtcatgacca	ctgcactcta	gcctgggtga	cagagcgaga	ctctgtctca	gaaaagaaaa
35161	aaaagttaca	ataatctgtc	aggatttaga	cataaatgtc	acacaagagg	ataaggagga
35221	aagctggaat	gattttaaac	tgtaacagaa	aatctattca	aatgcgaggt	gggacattat
35281	cctggatttta	tgacactggt	ccagctatga	atcaagtgtc	atgtttgttt	tgagaaaagt
35341	aaaaacaaaa	gtcctttggg	gaaacttaga	gaaatgtaat	gccttccctg	aaatagtagt
35401	ttccacatcc	agtgtgtgca	gtgactgagc	tctggaattg	actggtctct	gtttctctgg
35461	ccactctttg	ccttcctacc	ttgaatacca	tagttgactt	ttgcctgctc	atatagccca
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35581	gaccaccttt	tgctcagaaa	gttctaanaa	tctgggccct	gctgggctca	aggctgtctt
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35941	acatgcccag	tagaaaataa	aaaagcatac	tggaaaactg	agccacctag	agcaaaatc
36001	actcatatcat	aagcatttat	tattgccaa	aaatacacag	actgtatcat	taaaacctgt
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36121	atgactactg	aatttggtct	tcagttgctg	ctatattttt	atgttcatat	gcatttttcc
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36241	ataaggaaaa	acaaaaccat	tctgacagta	cctcttttagc	accagtggca	acagcctctg
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36541	gcaatggaga	cctaacagac	ctgatggggg	atgtggagat	tcttgctgct	ggagacacgg
36601	acctgaanaa	caaaaggcag	tgtaaaagca	tgtaaaagca	aggagggtta	actggatgtg
36661	aatcatgaga	tgaaaagctg	gaagtgtctt	aaggcagagt	tttaaaatgt	gtgcctccat
36721	aacccattca	gagggtaaat	aatgtacttg	gaagtaattt	gttttaaatc	tcaataaacc
36781	tattcttctc	tgctgttaac	ctgtaagaga	atcagcttta	attccaaata	agctggagat
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36901	tctttaatat	gcagccaaag	gaagacatg	tcaaatccag	caacctctgt	attccaaatt
36961	catctctgta	ttccaattct	gggggggtta	gaggatgtca	aatagggtgt	ataagaagaa
37021	agggtttctgt	aatcaaaatg	cttggtgcac	tcttgactaa	gcagcttaag	ccattttttt
37081	ttttcccctg	caggacttcc	cacagccttt	actatgtcag	tatgccttgt	gaatttccag
37141	gacaggggga	cacatcctca	ggaagcttct	tgacagcatg	tgctgggtac	aggttgtgca
37201	gtgcactttg	caaattgctg	ctttagccga	agtgtttgtg	gacagctact	tttaatttcc
37261	tccatatttg	tttactctg	cccccttgt	attgcactct	ggacttattt	taaatatctt
37321	tagagttatt	gtgggaattg	actaacttaa	aaactaatga	ttctgtgatt	tttgggtaaa
37381	ttgataaagt	tgcttcttcc	agaatagttt	tcattgtttg	ctttttaggt	gtatccaaag
37441	tgcaagtagc	atcagttgaa	gaatttggtg	gctaaatccc	agcactgatg	gcaaaaaaag
37501	actatttctg	atctatagca	ataattctgg	ggattggcca	actattgtaa	ggtaaaaatt
37561	ttttcagaac	tgatttaatt	cttaataaag	cttattacat	tttctctctc	agggtggcagt
37621	attgccctat	cattgcattt	tattaatctc	gcataataa	aaatgtttat	aatgcatct
37681	tgctactatc	taggatattt	agcttacact	gatcatacat	gaaatgatta	ttctaattaa
37741	gctcaaggta	cagttgatat	tttctcta	ttacagagta	ccctaacagt	acattacaac
37801	attaaccagt	ttcacgaaga	aatgtttatt	ttctcgaaga	atggcttttt	ttgtgtgaaa
37861	atccattttac	attttgtaaa	tgaagtgtga	atcaaaactaa	agggaaatct	agggaaataag
37921	cctcttttct	gaacatgact	gcctttgaaa	tataacaaaa	accaagttag	aataatgtgt
37981	ggtttccact	aactgaagaa	aagcaaagag	acatgtgctt	ttaagtttca	ccctgtgcct
38041	gtcttctgct	gtacttagta	aatgggttta	attcaaaaa	agttaaaagc	atgattagca
38101	tgacatgact	gattaacagc	aggacacagg	taagcccata	actgtgaaaa	tcattgtaat
38161	tttggtcatt	ataggagagt	gcttatttct	gtacttacaa	caaaaaataa	tcacctgggtc
38221	acagcgagat	acaatgcacc	ttattcaatg	aaatatgttt	gccttactct	acaacaaaaa

FIGURE 5-K

38281	tcaagattaa	actatgagat	athtaggaag	cagtctatct	ttgataacca	ttattttctc
38341	tgcaaatggg	catttttattt	cttaattattt	ggaaagcaaa	attttggggc	aatttgggatg
38401	gttattaatg	aactttcaaa	actgctaaga	tggtcaaaat	gctccatggg	atcagggaca
38461	ctccatgatt	ctaaatgacc	cttaggcttg	ggttttaaaa	tatagttagg	ttgttatctc
38521	ctcaagaaat	tgcatTTggc	ttgtgtgttg	atttcatggg	gtgcaaactt	ggatttagcc
38581	tgagactgaa	cattttttttt	tattcgactg	ctagacatgt	tttttaaagt	aagctttttg
38641	ttcaaggttt	catgttagtg	tttgccaata	tctttacatt	tttgtggcta	aaacaataaa
38701	aattggaaaa	catctagcat	tttttttcac	atgtttattg	gacttttaca	ttgcctctta
38761	tgtaaataac	ttttttgtat	cttttgtctt	tttttgtgtt	gcattttttt	cctttaaaaa
38821	ttaatttggtg	gatgatTTTT	aatgcattta	gtgcatttat	tggttatttg	tcgtaagtgt
38881	tgcaaacatt	ccccagatc	cattttctttt	aatccatttc	aatattttgc	ttgtttatgg
38941	gtcttatcca	gcataagctt	acgtaatttt	gtatgttata	tactgtttct	aggctgggtg
39001	tgtctacctt	gtagccattt	tatgtttatt	gtgatacttt	tatggcagag	gcaatgaagt
39061	accttgagga	ggagaaaggt	cttaaaattt	tttcacaagt	gctgtttggg	ttagaaatga
39121	cttttttgctt	ttgccataca	tacatgttga	tttttatgta	gttgaatctg	taactgtctt
39181	tttaaaagct	ttcaccata	aatgcttttg	cagattgtct	tctctttttt	tttcattttt
39241	taactattta	atcaagctga	aatttattct	gtaaatagtg	agaggcagag	gtttatgttt
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39361	ccctgaattg	aaaggccact	ttgctttttg	aattccctat	atacttggat	ctattatact
39421	tggtatctctt	tctggactct	ctgttttgtt	cccctgggtg	atttttctat	tcattttacca
39481	ataccatact	gttctgatta	tagtaacttt	acagtatgtt	tgaatattat	taggtcaac
39541	tatctcctta	ttattctttt	ataaaaaatt	ttcttggcag	ggaacatcca	tgtgtttttt
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39721	aattttacact	tgattatata	atttctgagc	cctgatcatg	atacatgatc	accttctaaa
39781	atacttccat	attaagtaag	catagaagtc	catttttattt	tctagataaa	ataacacaag
39841	catatgcaaa	atatttaaaa	ggttttactt	accatctgaa	tataagaata	ttggcataa
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40141	atccatata	aataacaatt	attttattat	ttatacttat	tgccctaaat	caaactgtta
40201	agtgatcagg	ctgatttgct	cttagggctt	tgaactctaa	cttctgtgct	cttctccttt
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40381	ttcagtaact	tcttggttta	cctcctttgt	cacctgtac	atttttgagt	gcatgaaact
40441	tacacgggag	gagggcagg	aagtgcgtgg	aagagaagtg	cgtggctcct	agcgaggcct
40501	gtgcccatgg	acctaggtga	ggacaaacac	tctgtccttc	ccgccccaat	gttgcatctc
40561	ccaagatcac	cctgacctgc	cacgcccaca	ccctatgcct	ataaaaaacc	ctgagaccct
40621	agtaggcaga	cacacaagcg	gctggatgtc	cagaggaaca	cggagcccca	caacctgccc
40681	gtttgtatgc	tcccctagag	gtttgagcag	cgggacactg	aagaagcgaa	ccactctccg
40741	cgctgcatgc	cctgcgagg	ggacaaggga	atctttctcg	tttcaaaacc	tagttccaaa
40801	atgtgcaata	atctgtcttc	tctatggcag	ctttacctga	ccggagatgg	ggtcggtgcc
40861	cgacgtgtc	tgaccgggga	agggagtggt	cttatgggcg	atggggactg	ctgccgagcc
40921	agctgtgctt	tggcagcaat	agacggtggt	gttggggatc	ttgacttttg	cttcggagga
40981	atcctgggag	gtgttttatg	tggcagctgt	tgcccagcgg	caccatctat	gaccatctca
41041	actgttgcaa	ttgatctggc	atcaaatggg	gcttcaatct	tctgtaaaag	attaaaacaa
41101	agcccacgtt	gaggaggaat	agctggggac	gcaacagcct	gaaaggcttg	aaaaccaaca
41161	gtatagaaaa	ataccttttc	aattcgggtt	tgtcttgatt	ctgagatctg	agcagtcgaa
41221	acaattgtct	ttgtcttttt	agcaggtact	tcttcttcac	ctgtgggaag	ggaaagatga
41281	atgtttggga	gggggcacaa	tgacctattt	taaaagagat	tctgttaatt	ctgactacaa
41341	agtcaaaaag	attttctgga	tatcccaatg	gagaaaaattg	cagaaagttt	tggattttgc
41401	atgaatataa	attaggttta	aaaatagaaa	atgttcatta	caagataaaa	atttacttag
41461	aatgattttt	taaaatttca	ttatttggca	ataatttggg	aatgtagatc	acttaattga
41521	aacccttttc	agtttataat	gagattcata	agcacagatt	gcttctattc	tgcgtccctg
41581	actagaatct	cagggacttt	tcattgggtg	cgaaaagcca	gcttttatat	agctcacag
41641	cattcttccc	agggctgtga	gaggtgcgca	gtggacgctt	ggccccattt	agacacaaac
41701	cagctctctc	cccttctctc	tgttctctca	cctccagcac	gtaccttgaa	ccagtaattc
41761	agcagtcgaa	gtagctcttc	caacgcattt	gggtggcattt	actgaatagg	tccctgagtc
41821	ctcaggggat	gcttctgcaa	tcagtaagct	gtagaggtcg	ccttcttgtg	aaatttggaa
41881	atcaagggag	ctctggattt	cggctcaatc	cgggtagaac	ttcaccacag	gtgtatggat
41941	tccagtcact	ctcacttgga	gtctcacttg	gcttcttgtt	ctcacggtca	tgctctgcag
42001	tcgttgaacg	aagttgggtg	gtgctgtctc	agctgcgggg	acaagagaa	aaagtcaaga
42061	gtgagagcca	gggtgctccc	tacaaggtat	ttttaaataa	tcacagctcc	aattccaaaa

FIGURE 5-L

42121	ccaggtgatg	actcgccaat	ctaaacatcc	ttgaatgtcc	ttgaaccag	ctcaccagc
42181	aatgacagca	agaatgggag	ccaggagatt	acagaaggct	ttctcaccac	catattttat
42241	tttatgtgct	ttgttttgct	gagcagttta	ggccaccacc	ttttgtttct	ttgttttaaa
42301	taaaagctct	agattttgtt	ataacatttc	ttgagaatct	ttctgggtact	tccccctcta
42361	cctcacatct	agcgctctat	taatatgtga	aagccatggt	gcatattcca	gtaagttgca
42421	ttaaaatgaa	ttccagtggg	tgctacgatg	gggtgtacctg	ttacttaaag	aatcattaca
42481	tttttaattt	aattttttaa	attctaaacc	ttctccaact	tgatagggtat	tcaaaataacc
42541	caaataattta	cttgcattta	aaacgttaat	cccaataata	acattacttc	attttaattg
42601	tgttacagaa	aggggatttt	tttggttatg	ttgaaggaaa	ttttttataa	gtgtgaggag
42661	tgagtggaa	taactttgac	atgattttga	gtaataaaca	acagcagggtg	ctgccaaccc
42721	tgtgcatttt	ccattttgta	attttctggg	tgcatgctaa	agttctacct	gatgttactt
42781	gatgtgggtt	ctgcttaggt	caattatagc	cctataattg	aacatcattg	aaggtaaagt
42841	ttattggata	agcatatgta	actttacgWa	gctcatgtaa	gatattgtta	taaaacatgt
42901	aaagggcatgc	aatattctgt	atactaattgt	ctcactagggt	agtaaaggat	agagaaaaac
42961	aacagaggcc	actaagattg	gtgataagtt	ttctggggaa	acagtgtcat	gcatttgaat
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43141	cacttccctg	gagaatatgt	cttattcctt	aaaggactta	taaaacaaggc	tccaagcttt
43201	tctacttgct	gagaaacatg	attttttaata	tttcccttaac	atacttttga	gtgtttaata
43261	tgtgtattga	gaaactgatt	ctcagtcact	tttacgatgt	actctagagg	aaaattaaat
43321	tccaaaaggc	aaacaacttg	gttataaata	attcagcctc	cagtagaccc	ttctgtagtt
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43501	ctcagcagta	ctagtgcctt	gtccagatcc	attgggtggct	ttcagggaat	atcgctccact
43561	gttggtcttta	gtcacggcgg	ggatcgctcag	tttagcgcg	ccatcgctaa	aggagatctg
43621	cacgcccggc	agagtggaa	tggaaatcac	ctggccatcc	ctaaaccagc	tcacctcagg
43681	aactgtgaaa	cctgaagagc	aagaacaatt	caYctttatg	tttgaatggg	caccacaag
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43801	tggaatgcca	cttaatgata	gggaaaaccc	tacagttgca	tgatcagtg	gtaaacctgc
43861	agaccattag	gaaggcagga	agggaggaaa	ctgagaccaa	aagaggcccta	atgatttttc
43921	caaggtcctt	cagctagcag	tgacacagag	gggactagaa	tttccatctc	ctgcctgcct
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44281	aaacctagtc	ttccagaaca	acatggatca	ttggaattgc	aggtagaaa	ccaaattctc
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44521	agtctatttt	gttggttata	cattagccca	tctccacta	tgccaatta	aattagtttat
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44821	atgaaaagg	aatttcattg	gtctatatat	gtacaataga	aaataagcaa	tgattatatg
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45001	aaaaaagaag	tgggcaatga	accatggaag	tgactataat	taagaattaa	gcattgattt
45061	ttttaatccg	tatccatctt	acatggctcg	ttacaatact	acagaaaag	aaaaatttga
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45181	ataccatgca	tttttttgaa	ccatccataa	actgagttat	gaggaagaaa	aagaaggcaa
45241	aaaagagatg	aacttccttt	cagataaaat	tctagggtta	gtgtttgctt	ccttttaaat
45301	agagacaccc	gagaagcata	ttattttctg	tcatttcaaa	acgattggaa	agtcctttta
45361	ttcattagaa	tcactcaata	aagattgaaa	ataaaataat	aaaataatga	ggagttgggt
45421	aattactgaa	cagctctgcc	tctgagaaa	attagatgca	ctgttatttt	cggtgtgaac
45481	caactgaagt	tcagggtgcc	agagcaggca	gccagactg	cctaccccat	ggctctgtgg
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45601	atagaatgac	taaatttggg	cctattttagt	tgctggattc	taacggcaat	tttaatccaa
45661	cactaattat	ttttgctttg	tggataata	aatatgaata	aaacatttca	agccattata
45721	ttgtcagatt	ttgtcagtac	tctgtgaatg	gtataaccct	aaaatgacct	ttccatagtg
45781	ttggactaat	tttccgaagt	gaaagcagg	cttaaaactg	gcgtcaagtc	ctgcagcaac
45841	gttaacttac	tggagaggag	gcaaaggaaa	aaaaaacaaa	agtggtgaatg	tggtgagctta
45901	ccactaatgt	gagcctcaaa	ggttgcggt	ctaccctcca	gtaccacaac	gctttgtaac

FIGURE 5-M

45961	ggctgcgttaa	acgtcgggtgc	ttgagttgtc	atcttttctag	gcactctgaa	aaagaagaga
46021	aaataaatta	gggtgtccca	gctaagggtc	actctggagc	tgctttgcag	atagcagaga
46081	cacacgtttc	tccaaatgga	ttgtctcata	ggctcatctgt	gggcctagag	tgatgggcag
46141	gtctttctctt	ttgtggcttg	aacagttttg	catagttcat	cattgagttg	acttaaagcc
46201	taacccaaag	tagcaagtgt	aaggggaaat	ggaaaaaagt	attagccaaa	cagaacaagg
46261	aatgaaccct	agtgttcaaa	gagggaaat	acagtcttac	caatgggtgga	aaaccaggtt
46321	cagagttgaa	gaagaaaacc	acagcaatgc	agggttagtg	aagtgttaatt	agagagacaa
46381	gacatgtgat	aaatgtaaaa	taaacctctg	ggcctggcgt	ggtggctcat	gctggtaatc
46441	ccagcacttt	aggagccga	ggcgggagga	ttacttgagg	tcaggagttt	gagaccagtt
46501	tggctaacat	ggtgaaaccc	ctgtctctac	tacaaataca	aaaattagcc	aggcgtgggtg
46561	gcccattgtct	gtagtcccag	ctacttggga	ggctgaggca	tgagaattgc	ttaaaccag
46621	gaggtggagg	ttgcagtggag	caaagatggt	gccaccacac	tccagcctgg	gtgcagaaat
46681	gagactctgt	ctcaaaaaaa	aaaaaaaaaa	aaaattaaaa	taaataaacc	tctgcatacag
46741	cttagtaagt	gaaaaattatt	ttaaaaattt	tccttctccc	caatattttt	cgttcactct
46801	atattttataa	agttgacatt	gattcagaca	ttatctgatt	acttaaaaaa	gttgccagaa
46861	gtaaaaatct	gaactttgta	atctctttcc	tgactggaga	agctttggca	agccttatca
46921	aatatgcaag	ctttttgtag	acggcatacg	gtgctttcta	tttcttaaca	tttcttcata
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47281	tgtgaagaat	tttctgatgc	ataaatacct	aattattcaa	catgactatt	ctgttctgaa
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47521	atcagataat	atccaaaagc	tttcataaat	tttttttgct	agaaactcct	ttttgtagca
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47641	tctaaaaata	gctgtcctct	tagacataga	atacctaatt	atatatctat	gtatttacag
47701	gcattgacaa	ttagtaataca	aattctagga	agatgagaaa	tcaaagtgt	tttagaagta
47761	agaaaccttt	cctttaaaca	ttatttctta	cccttcttag	tgtaacatt	tatctcaaaa
47821	tataataatg	gactgtgtgc	tgagttaaaa	tgcatgaaga	gattctgaat	attttgaaa
47881	acaattatat	cattttattc	caaactctcca	actatgttgc	aattaaccag	cttaaatgga
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48301	ttttagaata	ttaagtgaac	ttaaacaatt	tgaatcatgg	aatcatttag	ctgatataat
48361	aaagctttca	actttttaag	gaaaataatt	cagacatttt	aaaatagaat	ttaacaagca
48421	gatttaataa	atgggtcagc	actggcaaga	aatagtcata	caaacacttg	tacattggca
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48541	ataagaaaag	ttgctgctca	cctgatttct	caagagtgcc	taaaaagggg	gggactaagc
48601	ccaagggttg	ttctgaaacg	acgtcctatg	gagagttggt	ttttctgacc	atctccgaca
48661	tgaatcggtg	agcctctaatt	cctaaaaaca	aaactacaca	gtcaagactg	tgtagttttg
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48961	caaggaaaata	gaactgtatt	taaagaataa	ctgtgttgag	gctcagagaa	gagcattggg
49021	tgctgatggt	aaaatcYgaa	aatgcaggtt	taaagaggtg	tgacagttag	tagcacttgt
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49321	agttacactg	atgttaatga	gcttattgct	tatacaaccc	tgcaagatat	aatgttgaaa
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49441	atttcatttt	tgtctggcat	taatatattac	aaatatgtgt	gtactgctcc	ttagtaagta
49501	gccaggtctt	atgcttaaat	catccataag	gttccttttc	cagacacatg	aatgctgttc
49561	tgctaattctc	tggagtttgc	tttactaat	gggaagtgga	taggaggtga	tatagttgct
49621	attttaggac	tgaatttaat	ttcaagcaag	agatatattca	aataaaaaag	agcacaccaa
49681	aagatcttta	taatgactca	gctgagagat	ttgtgaaact	ctacttagag	ggaggaaaat
49741	tgtcttggtg	ataatggaaa	gagactttta	tcaataaaaag	agactaaaat	ttttaattta

FIGURE 5-N

49801	agttaaat	ctttatgt	gtaataaaa	tattccctgt	tatggaagaa	tttggccatg
49861	cattaaact	ttcaattt	tgagtattt	atatcttga	tttatttata	tagtgattaa
49921	tatgttaat	tttaacagt	taaatttact	gacaactaat	gtagtatagt	tatgttaaca
49981	agatgacgc	atgtacttat	ttaaacattt	ttctccttta	cttaagtgg	ggtatctgta
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50221	ttttggagt	ttcaccaatt	ggctatctat	ttaagatacg	tttgtgcata	tttgtgtgtg
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51781	catttttgtt	aacacagtaa	tattaagtga	tataatatct	gtaatttcct	ttccactcat
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52141	atagtcacag	atgcatttaa	caccacatcg	aatacaaaaa	gattatttca	gacacgtaag
52201	atattttttac	caaagtaaga	aagataaaaa	aattaaagtc	ttgaatgtct	cagtgcact
52261	gacttttgagg	gcacttggaa	tttctctcct	attctacctg	ggtttaggca	actcacttga
52321	atctctgtct	cagatttgtc	agttgcaa	tggagattat	tatctcgact	tcaaagagtt
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52441	catggtaggc	attttgtttg	tttgcgtctg	ccaggcatga	cactaagaaa	ataatttctg
52501	tgcttggtag	tattgatttg	ctcaattatc	tctgactacc	tgataaaaa	tacaagatag
52561	tattttctaa	gaaatctttg	agaagtccaa	aagtgaagctc	atggaataaa	gcacatgtca
52621	cgctcttccc	tgaaggccct	cagaaggtga	catgacactt	atatgtggat	taaaagcaa
52681	ccaagaaat	actggaatct	taaaaaagaa	ataagttgga	cttctgaagg	cctgtggcag
52741	gaatctataa	acctgattag	atctaaccac	cagcaaatgc	tcattggagg	tgatactgct
52801	gtcaaatatc	aagcttttaca	catgctgaag	ggaggcaacc	aggctcattt	tttccagtaa
52861	ccactgcaga	cacggcacct	ggggacaggg	attaagggct	ctttcagggc	caaaaacatg
52921	tttgggagct	gaaaaataag	ttttgctttg	aaatacaaaa	agaaatctgc	aacaatgaaa
52981	ataatggata	tttatcaaat	acctacaaaa	gaagatatgt	caactagtca	actgcacttg
53041	agattgggat	atttcaatgc	gtctgacaag	ctcagggatg	gattttccaa	aactgaaaca
53101	gtctctgtgg	gacaaaaatc	taaaaatggc	cctcaaaagt	ctacagtctc	aaaaaacaaa
53161	ggttaatctt	tgttttttta	aagtaaaagg	aactactcag	tgccacacac	gccaagtgtc
53221	gattttttct	cagcttccat	tatcacctcc	agaagttttac	ttttttattt	ctaaacaaag
53281	tctattcttc	ctttgaagct	aaagattctt	tagctaccac	tttctacctt	tcttctccag
53341	gctttcaggg	tgttttcttc	aaagccttcc	tcaacatttc	ctgaagacat	cagcatcaga
53401	acccctagt	taagccttgc	taagaccctg	agggactccc	acatccatgt	gtaaccacac
53461	tagaggaaaa	tgatggatag	cacagtttct	aaatcagacc	gactttggat	caaatcccag
53521	atgcaccagt	tattagcaaa	atgaccctgg	attaatcatt	gaagcttcat	ttcttcttgg
53581	taaaatggga	atactcactt	cttcgtagt	aatattctcc	tttactgttg	ttttgggttt

FIGURE 5-O

53641	cattaactag	atthttgtaag	ttctttatttg	atthttttatt	ttttacaaata	gtttttacata
53701	ctagtattttt	ttttcatagc	acatttttata	acaaatgctc	aatgtggaag	ctatttgctgg
53761	ttattgttgt	tatttgaata	gcccttttcta	caccttttagc	cacacagttc	ctgcctggca
53821	ggtctgaaat	ggcattcatt	tcttcttttcc	cacttcagca	ccttacctct	gtgaccatac
53881	tttggtgtctt	gccctcttca	ggtcttttctt	ctgtggagtt	gcttctcttc	taacatcaac
53941	agagaagtta	aagatacatc	tcttttcatc	agtattatca	tgagtagagc	gtaaacattt
54001	actctataac	catatacata	tgcttatctg	tcttctctca	gtgtcagggg	aaaatgggtc
54061	tattactctt	caaggctaga	ccaatattca	ggatccttct	actcttggtt	cttccaagac
54121	acacactatt	ccatataata	tgtttaactt	ctcctatcta	gaagcttctt	ccccttacca
54181	gccactctac	ttgatacatt	gttttcccat	ttaattataa	ctgagcttat	tgctgtatta
54241	atthtttttt	ttcttattgt	tatggtctaa	atgthttgtt	ccttccaaaa	ttcatgttga
54301	aatctaacc	caaagggtgat	ggttttaaga	gatggggcct	ttggcaagt	attaggttat
54361	gagggttttg	ccctcatgaa	tggtgattgt	acccttatga	aagaggcttg	aaagagctcc
54421	tttttctctt	ctgctatgtg	aggtcatagc	aagaaggcct	ttctatagag	aaaagtgcc
54481	ttgttagata	tacaatctgt	tggtggcttg	atcttgaact	tcccagcctc	cagaaatgta
54541	agcaataaat	ttctattggt	tataaattac	ctagggttaag	gtaagttgct	acagcagcct
54601	gaatagactg	agacacctat	tctttctgaa	ccctctttca	gcttcttttc	tcatgtttct
54661	tgactatttc	atattgtgtt	ttccactgcc	tttcttattt	ccaaatccaa	taggcagagt
54721	tttttttttt	tttttgcaac	atthtttggt	gtcacttatt	aatccagtg	atacttaaaa
54781	attgtatttt	cataatgcat	aatagtaagt	gatgtgttag	gaaactcttc	aaataaattc
54841	acttaaggga	caactatttg	tggtgagtga	ctgaaaagtc	aatgagttca	tagcactaaa
54901	cttgaactat	ttctcaggct	atgtcttctc	ttggccttgg	ctttttgata	aaacagccag
54961	gaagaatcac	ccaagataca	ttttttctac	atcccatcac	tttcaccagt	tcacctacta
55021	acttttatac	ttcatctttc	tagaagctct	ctccaaactt	gaattccatg	gcaccagcct
55081	ctctggactc	atacagttct	gacttattca	tgagcagttc	tcctcctggt	ggtcttcac
55141	aggttctacc	tcttcttact	cttctgtttt	ccgggggtta	gctcatctcc	tttcaaggct
55201	tcaactacat	tctgatcact	tcaagatgat	tatctctgcc	ctattcatcg	ctcgcatggt
55261	ccagacttac	atthtactct	tactggctat	ctccaagaga	atctcagact	taaaacaccc
55321	agattagact	ccttataaat	ctgtccttct	cctggatttt	tccatctgag	ttataacat
55381	cacaatctat	tcaatcacct	aagtgagaac	tctgggaatt	tttcttaatg	cttccctctc
55441	cttattacct	gcctctgaga	tgtaactaaa	ttcttttaat	tctaccacct	aaaaatagct
55501	tgaatctttg	ttaacttgtt	tattgtact	accgtttcca	ggctcttatt	tctcacttat
55561	tctattggat	ttagcctctt	aaccgttcat	ttctgcctcc	aatccaagtc	cacctcaaag
55621	ccaataaagc	actccatgat	aaaaatttca	cataatttct	ctgattttaa	tcttcagcta
55681	gtcttgggag	ccctacatca	cccaagatac	tgactgaatc	tattatcctc	cactcctggc
55741	tttttgggtc	tgthttgatt	ttgcccagcc	catttgcctt	ttgcagcact	gactagaaca
55801	acgatcgaca	catagtagct	ccttggtagt	ggctaaaaatg	tgaacctctc	aaaattcata
55861	tgthgaaatt	ctaactccta	gtgcctcaca	ctgtgacagt	gttttgagat	taggtcttta
55921	aagagatgat	taagttaaaa	tgagctcatt	aggggtgggc	ctaaccctaa	acgactgggt
55981	tccttataac	aacaagagat	aggacagga	acagtagctc	atgcctgtaa	tcccaacact
56041	ttgagagatg	gaggtgggca	gatcgctgga	gccagaggat	tcaacaccag	gtggggcaac
56101	atagcaagat	cttgtctgtc	ttaaaaaaga	aaaacaaaaa	caaaaaatcc	tgggcatggt
56161	ggcgttcacc	tgtagacca	gctactcagg	aggctgaggt	gggaggatca	cttgaacctg
56221	ggagattgag	gctgcagtga	gccatgatca	caacactgca	ctccagcctg	ggtgacagag
56281	tgagattcta	tctccaaaaa	ttaaagaaaa	aaaaaagaac	aagagattaa	gacaaaaacag
56341	gaacagagga	aaggccatgt	ggagacagga	ggaagatgga	agtgaaggag	agaagcctca
56401	gaagaaatga	gctctgttgg	cactttRatc	ttcgaaactc	aagtcttcag	gactgtgaga
56461	aaataaaattt	cagtaagttt	aagttgccca	gtctgtagta	catttttatg	gcagtgctag
56521	caaactaatg	atatgtctca	taacatata	cttaaggaca	tgaacaactt	tatcagataa
56581	atatgatgac	aatttgagct	tttggtgacc	aacttttctca	gaatccctga	atcatatttt
56641	aaggaaatga	gagtgagaga	ggctggagag	gacaggactt	cctaattgct	tattaccata
56701	tctcagcagc	aaaaaactgc	tcatctctag	gccttcaact	tggtatctaag	tgthaatgtg
56761	tactcttcca	tttaaaatga	ggaagcttta	gcaacagttt	cacctttggc	aaattctttg
56821	tcaaaatgaa	ggaacactta	tcaYctgtaa	tgtgaatctt	tgtctccctc	catctctgct
56881	gatagattgt	gatttgggga	cacttgcagt	atagtcgtcc	ttcagtatcc	ttgtgggatt
56941	ggctccagga	cccctaacc	cccgatgat	atcaaaatat	gtggatgctc	aagtcgctta
57001	tataaaatag	catagtattt	gcattttaa	tatgcagatc	ttcacatatg	ctttaaatca
57061	tctctagatt	ccttataata	cctaatacaa	tgtaagtgtc	atgtaaatag	ttatgttgta
57121	ttttttattt	gtattttttt	tattttgggg	tttttctttt	ttcagatttt	gtgatatgca
57181	ttttgttgaa	ttcatggatg	cagaacatgt	gagtagggag	aggcaactgt	attgttaacc
57241	catcagagac	tacattcatt	agaggttagt	tgagtaacaa	ctgttgtaag	agtatatgta
57301	agthtaaaaa	acagtaagct	ttgaaaaaga	taaaagtaag	tcctggcatc	cagaagctgg
57361	cctttgtaat	aaatgatgag	ccaatattga	tgcatattta	ctaaagttca	taatatacat
57421	taggggtcac	tgthgttttg	acattctgtg	ggthttcgatt	gatgtthaat	gacatgtatc

FIGURE 5-P

57481	caccattgca	gtatcataca	cagtagtttc	aatgccctaa	acatcctctg	tgctccactt
57541	gttcttcatc	ttcttccctc	tctccctaaa	gcctggcaat	cactgggttc	ttattgtctc
57601	tgtactgttt	tctttttcag	aataccatat	agttggagtc	atacagtatg	tagccttttc
57661	agattaactt	ctttcactta	gcaatatgca	tttaagattc	cttagtgtct	ttccatgcct
57721	tagtcgtgta	cttcttattg	cctaagattc	tactgtatgt	atgtatctca	gtttgtttat
57781	ccattcacct	attaaaggac	atcttgtttg	cttccaagtt	ttcgccatta	tgaataaagc
57841	tgctataaac	atctgcatgc	aggttttgtg	tggacacaag	ttttcagctc	atttgggtaa
57901	atgccaaagga	aactaattcc	tggattgtat	gacaagagta	tgttcagttt	tgYaagaaac
57961	tgccgaactg	tcttccaaag	tggctctgcc	gttttgctgt	cccaccaaca	gtgagtgaga
58021	gttcctgggtg	cttcacatcc	tcactagcat	ttggctttgt	cagtgccttg	gatttttagcc
58081	attctaatag	gtatgtattc	tgaccatttt	tttaccataa	taaaataagt	actttgggat
58141	aattagggag	tattctacaa	taagaagaga	atgagggaaa	taaaacaata	actttaaacg
58201	tggtcctctgg	gtggtagacc	aggctcattc	cctgagttaa	tcattgggtt	tcataattcta
58261	gctttctagg	atgagattaa	aatctgcacc	taagagaaat	aaggaatgag	aactttgggt
58321	tactcattaa	ggttatatct	gcacattaga	tttctaattg	acttataaatt	ttacagtaatt
58381	agctctaata	gtagaaagga	caacaaaaa	tgaatatatt	acatgggtta	tggtactttc
58441	acatatgag	tatttatact	tagaaacagg	ataacctcca	caaaagagtt	ttagttcctg
58501	ccccctttacc	taagtggaca	actggttctt	gctagtactt	tttcatactt	ctagtacttt
58561	tgtttcctgt	gttgatattt	tgggcaaaaa	cttttgctgt	tagcttctgt	ctgaaatgtg
58621	ccacatgttt	atttctttta	gagaaaagg	tgcatattgt	cttgtgaata	aatattttcat
58681	tcattttatgt	gttgatatacc	tgagaacatg	gcctcaaata	taagaattta	gctgaaacta
58741	ctgttggttt	aggacagaag	tacttcttag	aatcagaaag	actcatgctc	ttttctctgt
58801	gataatatag	aaaaacatag	agttatgaaa	cacaatatat	tcttctgaaa	ataaagacaa
58861	aaccacatga	cctacttcag	tatctccagg	taccacttag	aagtcattct	tgaaccaagt
58921	gacacatggt	cctgatcttc	tggacactgt	gcagtgtgga	agcagatctc	atccttctctg
58981	gaggttgaca	ggtctaacac	tttctaggaa	cgtagaatt	ttgcttcata	ctaaaaggaa
59041	aaggaaattt	gaagtgtgta	agatcacat	gtgtaattat	ttcgttctct	tttcttttat
59101	ctctttttcta	tttctctctc	cctcctccct	tccttccctc	cttctcctcc	ccctccctcc
59161	ctcccttctt	tcaatggagt	ctcattctgt	tgcctaggct	ggagtgcagt	ggcacaatct
59221	ccactcactg	caacctgttc	ctcccagatt	caagtgatcc	tcctgcctca	gcctcctgag
59281	tagctgggag	tacaggcatc	cgccaccatg	cctgcctaatt	ttttgtattt	ttagttagaga
59341	cgagatttca	ctatgttggc	caggcttggc	ccaaactcct	gaccttaggt	gatccactcc
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59581	caaaagcaaa	agtaaaaaca	aaaacaaag	ccataaagg	gactttttta	aatttttatt
59641	taagttccag	gatacatgtg	caggatgtgc	aggtttggtt	cataggtaaa	catgtgccat
59701	ggtgggtttg	tgacactatt	aacccatcac	ctaagtatta	ttccccacat	gcattagcta
59761	ttcatcctga	tgctctccct	cccccaacc	tcaacaggcc	ccaaggtgtg	tagttcccct
59821	ccctgtgtcc	atctgttctc	attgttttaac	taccacttat	aagtgagaac	atgtgggtgt
59881	tggttttctg	ttcctgtgtt	agtttctctg	agataatggc	ttctagtgtc	atccatgtcc
59941	ctgcaaagga	catgatctca	ttccttttta	tggctgcata	gcattccatg	gtgtatatgt
60001	accacatttt	ctttatccag	tctatcattg	atgggtgttt	gggttgattt	catgtttttg
60061	ctattgtaaa	tagtgctgca	atgaacatac	atgggcatgt	atctttataa	cagaatgatt
60121	tatatctctt	tgggtatata	cccagtaatg	ggattgctgg	gtcaaacggg	atttctgtgt
60181	ctagatcttt	gaggaatcac	cacactgtct	tccacaattg	ttgaactaat	ttacactccc
60241	caaaacagt	taaaagcatt	tgtaaaggcg	acttttatca	agactcttga	atagagtcac
60301	cttgtgaaat	tccactttcc	tcacatataa	gggagaaaga	agggcagaca	gaaggaggaa
60361	cttgttctta	agctactaaa	ttaccaagct	ttactgggga	tctgtctgag	taagagtttc
60421	caaagtaaaa	aagctacatt	cttggagact	attctagaga	cagattttaa	cagaagtaat
60481	aaagacgaca	tttggaaacta	cgcattgtagc	cattgattgc	aagtgtactt	aggggccttt
60541	ttgccaaaaa	atgataacct	acacaacttt	ttttgctgtc	aaattccaga	atatagactt
60601	cagtctgttg	aattttgag	gcttttattt	gatacattta	attgaacatc	atcattatca
60661	ttttgctgat	atgtcagggc	agtggatgt	cagggaattt	agctctcata	acaaatttat
60721	tcaactactt	aaaactattt	agtaatctac	ccaggataac	taatccattt	aagaagaaca
60781	aaaataagaa	aaagtttcaa	taattaaaga	acagtaaaat	agcttttgta	agcgcacatt
60841	atgtgtctga	ttttattttc	tRaattgtac	tgacaaaaca	ccagtgtgta	atctgacca
60901	agcttatgct	atcttggttc	cttaaatagt	ggttctcaac	cagggatgat	tttctgccag
60961	gggatatttg	acaatatttg	gagacatcat	ggttggtaca	tctgagggtg	gaggtgctaa
61021	tgacacttag	tgggtagaac	ccataaatgc	tgctaataac	cctacagtgt	ataggacaac
61081	cccccaaca	cacagaatta	tctagtccca	aatgtcaacc	ttgtatcaag	gttgaaaaat
61141	cctgcttttag	agaaatacac	cacaaatacc	acattttcct	catattttaa	taattttta
61201	acatatag	atatctcatg	aaacattcat	ctcaaaacct	aagcaaaaata	cagtttttta
61261	tatagaacat	tttctggtca	gtgtacacac	aagttgaatg	gtttttgaaa	agcattctac

FIGURE 5-Q

61321	tgcattaaag	gacataaata	aataaatata	tttattaagc	ttctctcact	aagtaaagca
61381	caccactgat	acttcctcct	gcttatctga	tacataaaaag	gacattaagc	catcatttcc
61441	tgcagtttat	gttcataaac	acggcagttg	attagaaaaga	tgtagtact	tctgtttgaa
61501	aatgtagctg	ctgctctgcc	ctctggctca	ctttgaaaat	ctgtggttct	gaaagctcaa
61561	ggtactat	ttactcttcg	tatttggtc	tgacctgtga	gctacRttcc	tgcttctcat
61621	ttcccttggt	ttggccacac	cgggtgagag	tggggctgtg	gtgtgtttt	ttaaggttgg
61681	gggaggggt	gtagtactc	agacaagatt	ctgataagtt	cacgctcagg	gtggtttga
61741	ctgaaaacta	gaatttataa	ttttacaaat	cggattctcc	ttttagatat	gtatttttat
61801	taaacatatt	atatcttccc	atgaaaacag	aaacatggca	aataataact	gaatattggt
61861	gggcatttaa	aaatat	attgaggctc	aagcttaatt	tggaga	ttgtgaacta
61921	tattctat	gtaattactt	tacatgcaat	aaagtaattt	ttccctgaga	atgagatcta
61981	aagttttcag	attaaattga	aatgaaagaa	tttttttaa	aagttattaa	ttcatatgag
62041	ctgttctgaa	gaaagcatta	gaaatgtgtt	aaagcttatt	tcaaaaggga	tcataataga
62101	aaaataat	gacttaatgt	ctatataata	aaggctaaga	tttttaatt	gcctgaaact
62161	ggtactgagc	tcttcattaa	agcagggtacc	atgtgcgtgg	acattttgat	agccctttt
62221	agagtgtctac	agtcttataa	gggtatctat	ctatgaagtt	cctcaaggtt	ccacatgtta
62281	aagatgtcaa	agtgactttt	tattttctat	gttctattat	accactatgc	atttttataa
62341	tactcactgg	acacaaaaca	aatgttaa	taggtttgca	tttgtctaga	gaatgacaag
62401	atctatgctg	actttctttt	ttctaacata	ggaataaatt	ttcatcaac	tagctatatt
62461	cccagttatt	tcactactca	acaaagccac	aactgcatga	aagggtttta	agcctgggac
62521	ttttgggggt	gaataagagc	ctgattat	gtttgggtat	accaagttt	tagtgaacca
62581	tatttgaagt	cctacaatca	tatatattat	tatat	ctttattgaa	taaatagaat
62641	ttgttatgac	tgccaaaag	tacactattc	tgagcaaaca	aaattattac	cttatctgtc
62701	ttctgcttcc	caggaaat	cctttaaatt	ttgttctaaa	ccttgactgt	tctcttgatc
62761	atttggcccc	aaacaccaag	tgcttgcaa	tatcacctgc	ctgttccaat	gagaaaatca
62821	agaacacact	gtgtgtttaa	tacccttag	agatcagtga	gagctagacg	cacatttaga
62881	aatgggtctat	tttgaccat	aattcacagg	caaggaacat	gagggtcaaa	gatttttagt
62941	gcctaaatcc	tcagagttct	tctgtagcaa	agctaggatt	agaatttagg	tttttacaca
63001	tgaaaaaatg	ctcatcatca	ctggccatca	gagaaatgca	aatcaaaacc	acaatgagat
63061	accatctcac	accagttaga	atggcaatca	ttaaaaagtt	aggaaacaac	aggtgctgga
63121	gaggatgtgg	agaaatagga	acacttttac	actgttggtg	ggactgtaa	ctagttcaac
63181	cattgtgga	gactgtggg	atctctcaag	gatctagaac	tagaaatacc	atgttcccca
63241	gccatcccat	tactgggtat	atacccaaag	gactataaat	catgctgcta	taaagacaca
63301	tgcacacgta	tgtttattgt	ggcactattc	acaatagcaa	agacttgga	ccagcccaaa
63361	tgtccatcaa	tgatagactg	gattaagaaa	atgtggcaca	tatacaacat	ggaatactat
63421	gcagccataa	aaaatgatga	gttcatgtcc	tttgtaggga	catggatgaa	gctggaaacc
63481	atcatcttca	gcaaactatc	gcagggaaca	aaaaccaaac	accgcatgtt	ctcactcata
63541	ggtgggaatt	gaacaatgag	aacacttgga	cacaggaagg	ggaacatcac	acaccggggc
63601	ctgttgtggg	gtggggggag	tggggaggga	tagcattagg	agatatacct	aatgtaaatg
63661	acgagttaat	gggtgcagca	cagcagcatg	gcacatgtat	acacatgtaa	caaacctgca
63721	tgttgtgaac	atgtacccta	gaacttaagc	tataataatt	aaaaaaaaaa	tcctcttga
63781	aaaaa	agaattttgg	tcttttagct	ctccaaatag	taacatttta	agaggagtaa
63841	tacagaatac	tccaattctt	taaaacaagt	gctcccttct	ctatgaatac	aagattgaga
63901	atgggctcaa	aagcatgaca	ttttataaaa	ttagtgttcc	actattttta	tgagcaatat
63961	ttaggatttc	aatttacttg	cataaaggta	catgataacc	tcaacaaaaa	gcctacattt
64021	acccaattaa	aaaggattca	gatggcccta	tgtttctcag	ggcaacatca	atggagggcc
64081	gtttatctca	tctatgttat	ctctaattgg	aaatgtttat	atcagacata	taaaggcata
64141	tccatcatta	gaaattttaa	acaaaagtga	agattgtaat	ttattttcag	taacatgtac
64201	agccagtgtc	atataattta	aatatcaatt	atactctgat	ttcaaatatg	tctgttaatg
64261	ttattaaaa	aaccatgtaa	tctttgcact	gtatatggag	tctgtttgag	ccaacctgca
64321	aagtttcaga	ttggtggaaa	aagaaatatt	tctccatgtg	tccacatatg	aaaaggaata
64381	tagcacaatg	agaagccagt	acatttgact	gcagaaaact	gtcttaactt	gctttgatta
64441	ctatccttcc	ataaaacaaa	ccactactct	gcaatgggat	gtttaattgg	tgtacgttaa
64501	tggtgggttaa	atattaacca	ccatgattat	tttttctctg	agttggagaa	atttcattta
64561	ttaagtgc	tttgagtcaa	tagttatata	agaataagca	tcctctatct	gcaaaagttt
64621	gaatgagata	atcagattaa	atttatacc	tttagaggaa	cttaatgtca	aattactctt
64681	taaggaa	ccagtaaagc	taagaaacag	gcaagcaaat	tctgttgttt	ccaggatttt
64741	agtagactta	atatacattt	tattattagc	atataaacca	ttagcaataa	aaaagaaata
64801	aacacacaaa	acatttgttc	ccgcagta	catgtatgct	ttagtaacct	taagatatga
64861	gtagaaaaa	ttcatcttta	aagatctaga	ttcagttact	ttatggaagc	ttgaaatacc
64921	ataactaatg	gattgaaaaa	accaacagct	gcttctcaac	taagatttat	gatgttatga
64981	cgttgttatt	acattaaaa	taaagtaact	tcaaagttct	atttagaaat	aattcttttt
65041	ggtttgctat	caatgaagaa	tttaaatgaa	tttatatYtg	aggttgctat	atgtgtacac
65101	ctatcttaac	aatgttttcc	ccccttccaa	cagctatctg	gaaatcttgt	ttgaMatata

FIGURE 5-R

65161	cagatttttta	attatctatt	ttaaaactgg	aattgtgctg	agtcttttat	ccagagcatg
65221	catataagta	actctctgta	tgataccact	gttaaaatga	gagaagctta	tttcttcatac
65281	aaatctaggc	cataagttgc	taatggcact	ggcgccatta	gcatgagggtg	tttttctaac
65341	ctgatcacat	catatatcac	ctgggcattt	tatgtattac	tgaattcata	caagaactca
65401	tacagagaaa	aacacacaca	cacacacaca	cacacacacg	tatagcaaag	attcaaattct
65461	cttgaaatag	tttgtattca	ttcacaaatga	tccttatggc	atgtaacaca	ctctgctata
65521	taattttgat	taagttaacc	aacaatttct	tatattttaa	gaaatggtat	aggcttttct
65581	aattctgaga	ttctctacga	gatggtatca	ttccgctaac	tgatttaatt	tttgctaca
65641	atggattaga	gtcagagcac	agagggaatga	aactcatgtg	ccaagaaaaa	gtcagctgtg
65701	gccaggcaca	gtggctcacg	ccagcatttt	gggaggctga	ggcaggcgga	tcacctgagg
65761	tcaagagttt	gggaccagcc	tggccaacat	ggagaaacac	catctctatt	aaaagcacaa
65821	aaattagcca	gcatgggtgg	gtgcacctgt	gccagctact	caggaggctg	aggcagaaga
65881	atcgcttgaa	cccgggaggc	agaggtttca	gtgagccaag	atcacgccac	tgactccag
65941	cctgggcgac	aagagtgaga	cttcgtcaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaagtcag
66001	ctgcaactga	ggaccagccc	ctgtaccctt	gactgtgctc	ctgacttgct	caggaacatc
66061	ctgttaaacc	tgggccatct	ttcatgggtg	tcataatcca	ttttgggttc	tcaaagtaaa
66121	tcagtatttg	tgcaattata	caatgtattg	acataggttt	gaacaaaacc	tataataggt
66181	actttgtata	tccatttata	agtcttggtg	ggggtcttta	cagtgtctta	ctgtttatac
66241	tactatatatt	acaaggcctt	cgataaaata	caagtttaat	acttggcttt	tgtggtacat
66301	cagttagttt	tcttttaagt	aataaagtac	aatgccataa	taatttagaa	tattgacata
66361	taagaccaaa	aattactctc	aagaaaatgt	ttaatgtaaa	tgaagaaaat	aattactactt
66421	aacatttaga	caatacaaaa	caattagttg	cattgaaaag	tttccagtta	actaaaagtg
66481	ccaaaatagc	cgtttgtatt	ttatcattta	attaattaac	aaactaaaat	atgactttat
66541	gaaatactac	ttttaaaggt	gtaatacagt	ggttggcata	ttttagctta	ggtttctaag
66601	aagaaatctt	agaaaataata	ctagcagcca	ggggccatcc	ttgctgatag	aaaagtacat
66661	ccccacagta	gctacattca	tctctgcagc	acagcagatg	accaactggt	aaatctcca
66721	ctccaggatg	tgatgtcaga	ggccaaaagg	acttctttta	ttttattttg	atcatgttat
66781	tattggagaa	agcccagctc	agcaatcctg	taattacaat	ttccttctat	tttttctctc
66841	ttgatctggt	gataacgaca	atggtagtta	atgatcaaat	ttgatttatg	tttcacatca
66901	agtattccct	cattctgttg	agcatcatct	tctccaagta	atttacctct	cccaaactctg
66961	ccccccaccc	cccacccccc	accaaaatat	cagaggaagg	tgcaagaaaa	agcaagtgtg
67021	acatgtcgca	actagatttc	aggtttccat	aatgtctgca	accaacatat	ggaaaagggg
67081	caatttctta	cagcctgcct	ttgccatggt	ctctggagat	gcctgatcac	tgactgaca
67141	gtccccaact	ttttcttgag	tgcagttggt	gcagatcttc	tgctttgggtg	attttgctat
67201	actctgatta	gttccaagag	ttttttgtag	attctttggg	attttctagg	tagaaagtca
67261	tgatatctgt	aaatcaaatt	agttttcttt	cttttaaaat	cttagtaact	tttatgtttt
67321	cttgtcatat	tcactagtta	gtgtttccag	tcaacattga	ataagagtgg	taagagagga
67381	tgtcccttaag	tatgatgtta	gttacagggt	tttataaatg	ttctttatca	agctgaggaa
67441	gtttcctctg	ttactagttt	tctgacagtt	tttaaaaatt	atcatgaata	cacattagat
67501	ttttgtcaaa	tgttatttct	gcatcaattg	acataattac	attatttttc	ttcttttgcc
67561	tgtggatgtg	gtggattcac	tgattgattt	gtgaattttg	aaagagccgt	atataacctag
67621	aacaaatccc	acgtcttgtg	tgggattctt	tttatccatt	gttagattta	acttattagt
67681	gttgtgttga	ggatttttgt	aattatattc	atgagagata	ttgggttttta	gttttcattt
67741	cttgtaatac	ctttacctgg	ttttactatt	agcataattc	tgaccaaga	gaataagttt
67801	aaaaagagtt	ctctctgctt	ctattttctg	gaagagactg	tggagaatgg	ctattttttt
67861	ccctttaaat	gtttggtaat	ttaccagtgga	aatcatctgg	gccttggtgt	ttcttttttt
67921	ggaaagttgt	taattattgg	ttcaatatct	ctaacagata	aagggtcttt	cagggttttct
67981	atttctgctt	gtgtgagttt	tggtagtgtg	tctttcaagg	aattgatcta	gttcatttca
68041	gttatcaaat	ttgtgagctt	agagtttctt	tcatttctat	tattagtaat	ttgtgtcttc
68101	tctcttttgg	ttatcctggc	tagaagtata	tcaattttat	tgatctgctc	agagaacaag
68161	cttttggctc	cattgatttt	ctctattatt	ttcctgtttt	aaatgtcatt	gatttacact
68221	ctcgttttta	agttttcttt	tattctgctt	gctataggct	taaaccactt	ttctttctct
68281	agtttcctaa	ggtgacagct	taggatgatt	ttagattttt	ttctttctaa	tatatgcatt
68341	taatgctata	cattttcctc	tacacactat	ttttctacat	cccacagatt	ttgataagtt
68401	atatgtgtaa	tttcatattt	ttcaaaaat	ctaaaaatcc	ttattgagat	ttttttgatc
68461	tacatgttat	ttagaagtgt	gctgtttaat	ctacaggtat	ttctggattt	ttgagctttg
68521	ttattaattt	cttgtttcat	tccattgtgg	tctgaaaacc	tgcttttgta	taattactat
68581	tcttttaaat	ttttaatgga	tgatatatgg	ccaagaatgt	ggtctatctt	ggaaaatgct
68641	ccacgtgagc	atgagaagaa	tgtgcatttt	gctgttggtg	gatggaatat	tctatgtgtc
68701	aattagatga	agtagattga	tagtctgtgt	taggtcatgt	atttcctaata	ttttgactgt
68761	tagtaatccc	attttttgaa	ctctcttatt	ctccttcctt	atattgtata	tattcttact
68821	ttggttatat	gtctaaagac	aactttcctt	ccccctccct	cgaccctctg	tgtgaataat
68881	ttcagcttcc	tctagaactc	tttgacccat	agtgcactta	gggggtgatg	ttcacataga
68941	agatgaaaag	ttactgatgg	actgaaatgt	actagggtga	tcccttcaaa	tcagcaagga

FIGURE 5-S

69001	agctgaggta	ttctagcaca	ccccaggagt	gctggtttga	aaggctggct	ggtgtctagc
69061	aatgggtctct	gggaatttta	ttaccagaga	cttgtattgg	ttcttctaaa	acatgggtcat
69121	tgtagtagct	tcctagggtc	gccataacaa	agcaccacaa	agagggtggc	ttaaaaaac
69181	agaaatgtat	tctttcatcg	ttcagaaggc	tagaaatcca	aaagtccaaa	gtctaagcca
69241	aaacaagcat	tctctgtcca	agggctttag	ggaaatatat	ttcctcactt	cttttagctt
69301	ccagcgattg	caatctctgg	tgcaccttgg	cttatagcag	ctgcattact	ccaatctctg
69361	cctctgttgt	cacgtgtcat	gtactgcctc	ctccctgtgt	gtctcctctg	tgtctctgtg
69421	tctgccatgg	cctcccttta	aagacaccag	gaaatggatt	taggggtccac	cttgacacta
69481	ctgaaccogg	tagagtccctc	ttactgggta	acaaaaattg	tcatgtagaa	acattttatt
69541	gtgggtctcta	acttctcggg	gagttcccta	aaaacgtttc	cagaatccac	aggaaattca
69601	cacagacaga	gaagctgaaa	gccaaagctg	acactcagcg	tcctcaccgt	gttgcgtagc
69661	cagttttatcc	cttcagttt	tacatatccc	cagtcaccac	ccctaagtgg	aacatagcat
69721	acaaatcttt	cagctttcca	tagaccccat	tttctcacca	gaaattatgt	tctttgggtg
69781	gggaagcatt	cttatttaaat	ctactaacc	agaccagaat	gtgataagaa	atactgttac
69841	tcttgtaaga	gtaatagaaa	tgaataaaaa	tgcatttttaa	aaggcacctt	ctggagctgc
69901	attcacttga	atcaaaggct	gaccttgcag	ggttggcacg	gcagcagctg	ctagaggagc
69961	ggttctggag	caaattgggca	tattccctt	tctgaccctg	ccaagtaagt	ggtttcctac
70021	cttgtctgca	tttcagctg	actctgtttt	ccaacagctt	gtttgtgtgt	gggtgtgcat
70081	aatacttatt	acaaagcgag	gtggctgtct	gccatcatta	gcataatatg	cgttggagac
70141	aatttgccat	ggataaagta	ggtcccttta	tatttccactg	atTTTTTTT	actcaaaaga
70201	ttttattgca	tgttttttta	aaatgcatac	ataagataaaa	aataccattt	tgtagatgct
70261	tgaatcaata	aagttcttgt	aaaaagaa	ggtgYtgaat	gggacaaagg	taaggagttt
70321	catttttatta	cctaKttctg	gagctgctat	tttacaagta	ttgatgttta	catgcattct
70381	aaatggaaaa	agagccaYgg	caagcagcca	tgagaataca	gatagaaaac	ttcatgttat
70441	gtaactatta	ttgttctggg	ttaaagaaaa	attggatttg	atctatTTTT	ttcatctact
70501	cctatggtta	aaatatattt	tgatttcacc	cagtttttat	tgtgctaatt	gggaatacac
70561	acacattctt	gtctatacaa	tatttctg	actcttgctc	tttaagggaag	atagggaagt
70621	aattttgtgg	tacaaaaagg	aggatccaat	gaatccgatt	tgccatgtcc	tgggttacac
70681	aaatgaaact	gctgttgaac	agaagggaag	gtgagcaggc	caaagtctca	aactctcaac
70741	acaaaggctt	gttcaccctg	aggagggtca	tgcctccaac	ctgcactgat	gctcagatgg
70801	ttcatgatgt	tatacaaact	ctcaccatca	aaaggaacag	tgtgtgtggag	attcatggaa
70861	aaaggccaaa	atcacagctg	tgtgttccct	gtttttgagg	tgaattcat	gcacaactga
70921	taacattcaa	atctcatctc	ctgtgataag	cacagagaaa	atgaattgtt	tttgctttaa
70981	aaaggacact	ttcatttaag	tcaacgcaaa	tcttttagct	ttccaatgca	actcaagatt
71041	ccgcttatta	taaatggaaa	acagtctgtc	atgccttggc	atttacattg	acacaatatc
71101	agagcatact	ggaaggagat	atTTTatttt	gtttcaacta	acttatttca	tggctgcact
71161	taaaatgtctg	tgcatacaac	aggagtttca	aaagcttcag	atgggtgattt	ttagtaagaa
71221	atgggtcatga	ataaagacaa	acataaagca	gaacaaaata	agatattctt	tcctttcttc
71281	atTTTgaatt	caaatactct	taagttcttg	gatttggctt	tcttttatatt	tacaagtttg
71341	tatgaaatac	tggtttcaaa	taagatctgt	tcacagccca	gactactgag	ccccagctac
71401	aattaaaata	tgatcattta	cgtagtgttc	taaagaagta	cataaattct	ggttttgaca
71461	gtttggattt	agtcatagag	agtggagcca	tccagttcct	cataccggat	gatgttttat
71521	gcctaagtac	atatgtttta	aaatgttgga	acactttaaa	atgtttggaac	aatattgatc
71581	caggaacaac	aatcctggac	ctttcctctt	tcctccttac	tattatttta	gtcctgggag
71641	ccagcatcta	tttttaaatt	caaattttca	atcagggtct	agcccagagg	gtctggaggg
71701	ttctcacaca	agttttgcag	atgaggtgag	agattttcat	gagtgttcca	ttgttagggc
71761	ctgattcgga	ttgactcctg	tctataagaa	gggagaatca	tctttgtctt	tttacatttc
71821	ccctctcctc	cctctaataa	ggggagaaaa	acaagctagg	tttatctttg	tttacctttg
71881	gcaacaattc	aattcaaaag	agtttactga	gtgtgactgt	gtcttaggta	ctggcaatac
71941	aatgacaaca	gggctgtcat	gaatcctgct	gataaggttc	ttacagccta	gccagaggag
72001	actgatgtct	aaacctgcga	ttccttttgt	tatattcagg	ggcgtggctg	ggcagtgcag
72061	gtgctgcacg	tgacatggc	aggaccatct	actctggact	tgatgggtca	ggaggcttcc
72121	caggggaagt	tgtgtctcag	cagaactgga	acataagcaa	gagttaagtc	acatgaagat
72181	aggggtggta	agatagtaag	agagtatatag	gaagaaagg	ctggagagaa	gagcatgata
72241	tgttaaaacc	ctgaagttaa	atgtcacttt	actaggggtt	gggggtaata	ggaggggatc
72301	aaaccgaggc	cagagagggg	aggccaggtt	gtaaagggtc	tatgaactac	ttgaggaat
72361	ttaaatttga	gcaaagcagt	tagaagggtc	ttgtagtcat	ctatttttaag	tatgtgtctt
72421	gattatgagt	gatagagggt	accattattg	attaatatag	ctaaaaaatt	ttctgcatct
72481	tgttcaaata	ttttaaata	catagaatat	tcagagattc	aaatgtacag	attcctacag
72541	taaattttctc	ttggaattga	gtgtgaaaaa	ctaccaccaa	atattttatac	atccttttat
72601	tggaaaaatca	aagctggaaa	actcaatgat	tttgccttat	gaaaacttaa	aaacattttg
72661	ttttgcagtt	cttcaaagta	tcaagtattt	ataatttggt	taagagttta	gaagttttaa
72721	aacgttttct	ggtgaaaatc	ttgagtttaa	ttttcaccag	aaaacctgct	agacaaaatc
72781	taaaagagct	gtaacacatg	taatttttaa	actttctttt	catttttagtt	ttcttgttga

FIGURE 5-T

72841	aaatgttttg	atattactaa	ccattcagga	ttttctctag	aagtaaattgg	ttataaatta
72901	tgtatatacc	ttaaaataga	aacaacactt	aaatttccta	ggtcttacat	ttttaaccag
72961	taactgcaat	tgatactttc	ataagaataa	ttatttgctc	aagacagaaa	tcccagcaaa
73021	aaggaaaatc	acacttaact	ttttgaaatt	aaaacataac	cagaagaata	actgcgtaat
73081	tattctttac	tgctgtggga	gtcaatcaat	agcccagatg	aataggtaga	tgataggta
73141	cacagaaagc	tatctgtact	atatcttgaa	tatcagcata	gtactcttct	gatctttgtg
73201	ctccccacc	cccacctttc	tctttctctc	tctctctaaa	aatggatttt	gcatgctttt
73261	ttccatcata	accatggatg	catatgtatc	tcattctgct	ccccaaagag	ttaacatgaa
73321	caagcatgca	atagagaaa	caaaccagga	attcccatgc	cctaacaacc	ccaacacaca
73381	aattcaacca	tgttgacaaa	atgggaaggg	agatcctgcc	aaattaataa	gaaagagaaa
73441	gtgggaagag	agacagtgtg	ttaccgggtc	tcacctgcct	tctttgttca	tgaatagggt
73501	tttactcttt	agcttcaacg	tgggcaacag	cagttaggca	agattcacac	attatttgaa
73561	attggacaaa	aaggatacaa	gaggccggct	atggtggctc	atacctgtaa	tcctggcact
73621	ttgggaggct	gaggccagc	ctggccaaca	tggtgaaacc	tggtttctac	taaaaatgta
73681	aatattagggt	aggcatgcct	gtaatcctag	ctactcagga	ggctgaagca	ggagaattgc
73741	ttgaacccgg	aggtggaggt	tgcagtgagc	caagatggca	ccactgcact	gggcaagaga
73801	gcaagactct	ttctcaaaaa	aaaaaaaaaa	aaacaaaaaa	aacaaaaaaa	agatagttaa
73861	gagaaatttc	ctagaatgct	gtgtatacaa	gcttttaata	tagttctatc	aaaaattaga
73921	aggaactga	gatttaattt	tttaattaaa	ttggatatgc	agcccaagaa	agtatacgcc
73981	aactttttac	ttgactacac	atttcacatc	ttcagataac	attcagtaac	tttttaataa
74041	caacttgaat	acattacatt	taaatatttt	gattatttgt	agacagtctt	ccagcaacat
74101	aatttaatttc	ttcccttcat	caaaaatctg	taatgaatta	ttctttcaac	taagattttt
74161	cctcagcata	ataagactac	atttaaaatc	taagaagcaa	atgcttccct	acttcaagct
74221	tattttttaa	aggaagccaa	aaaatgatct	tttctgaata	aagtgtttca	gaaaggcata
74281	gaatacttca	atattatagt	aataattatt	gtaaaaggat	agaattcatc	tcataccatt
74341	ctattacggt	tccccctaga	acaaacaaa	tgtatcctcc	tgagtttaat	ttcaagcttt
74401	tgaaaagaat	gcagtcttca	gaaatttagat	aggaatttaa	gctctaattc	ataaacatc
74461	actttcctcc	atggaactag	ttgaagatta	catattaaca	gcactccttt	aatttaatat
74521	tctaaaaaaa	cagcatctaa	aaaaaaagaa	atagtgaagca	ggaggccggg	ctgatgacaa
74581	attacattaa	acaatatcat	tatccttagc	cctcagtggt	ttccattttc	cagatgttta
74641	aaagacacaa	aatgaaaact	ctcaattgcc	caagaggtag	atgatgaact	cattttccag
74701	acaggaaaact	gaggcaatga	ggctttggca	taaagtataa	aaatgggtcat	cagcagaaatc
74761	aagattagaa	gcagaaacac	ctggttacac	attgctgctc	aaaacacatc	aatagaatgt
74821	caggaataac	gttggttctt	tcttgcaacc	tgtgttccat	cttgctgtat	gacatgcaga
74881	gctgacaaaa	gatggaaaact	ctattttaaag	ttgatggcac	atctatcctc	caatgtcaaa
74941	cccgtgagag	caacatgagg	aatgattatt	tacaatgaca	tcacagact	caggaacgta
75001	gctctagttg	aaattacaca	gaatgcattt	cggtaacaag	atcaagacat	ggaagcaaaa
75061	attaaaggac	agctaattgca	aaaatacaac	atcaattcaa	tagttctact	gatattccct
75121	acaaagggat	gtttttaaatt	acaattaaaa	atatattatt	gaacaaccat	atttgaaatt
75181	tagcacattt	ctatgccgat	gtcagccttc	atctgcacgc	ccttaaatta	ggagggaata
75241	ggcatagaat	aattttgctg	catattattg	tgaaaacatc	tgtttctaga	gtacaaaatt
75301	ctgttcttat	ccactacaga	taattttacca	agcttctcaa	atatattaaa	cgctccagaa
75361	aatttgatta	tttcacctag	cagtggtatt	agccaaacaa	gtatggtgat	cagactggag
75421	atacacttgg	tgggagatgc	tttgaggag	gtgcagggaag	ataaacggcg	gcacttttct
75481	ttaggcacat	gagaatgatg	tccattggtg	ccaacaccac	agttattgtg	tgaggagcca
75541	gtacattagg	gacacactaa	catagacgac	acacagggtt	atccagttaa	ctcttgtgat
75601	tggcagcctg	cagttacctg	tcacgtggag	gatgacattg	gaagagagag	cgccgctaga
75661	gttttggggc	cgagccacat	agaggcctgc	gtctgccttg	catacctttg	gaatgaacac
75721	cgaatgcctt	gtctccttgt	gtaaaacctg	taagtgccca	tctgcagaca	atttctggcc
75781	cttcttgtac	ctgaagcaga	gaggcagttt	ttaaagtcag	gattgctggt	tattcacatt
75841	atttccaaagt	tctaataatg	cttgcaaatg	ggccatttac	cactgcaata	ttctcttagg
75901	attagtagga	accttgtagc	cacaacaaat	tccagtgggg	ctctttatct	tttttctttt
75961	agtaggctag	attgcagtag	cagaatcaga	gatcattgct	gtctcaaact	cctgggatca
76021	agcaatcctc	ccacctcagg	ctctcaagta	gctgggacta	caggcgctta	ccaccatgtg
76081	caggctaagt	tttttatttt	ttattttttt	taagagatag	gatctcgcta	tgttacccag
76141	gctggtcctg	aactcctggt	ttcaagcaat	ctgcctgcct	cagcctcctg	agtagctggt
76201	attatgcgct	gtttatcttt	caagcagaag	ttggcaactg	gtggcgagag	aattgctttg
76261	actggctcag	acaatgtttt	tggaaaactg	aattttttga	aatcctttta	aaattggaat
76321	attgcatatg	aaaattcaga	tatccagcta	cccctaaaaa	caaaaacaaa	aacaaagcag
76381	accattttggt	cacactaggc	caccatttgc	tcatagtaac	aattacctag	ggtgtgaaat
76441	ggcaccctca	tggtgtccag	tttatttctt	tttgccactc	tggaaacagca	ctgtgtactc
76501	cttataaaact	gcatgggagt	gagactcatc	taccccatca	tattcatacc	acagtatcca
76561	caggacaata	cagatgtgct	gttttagagg	actgtactta	atatcacctc	ctgatgagat
76621	cacttcattt	aatttttttg	aagcaatttc	attagaagaa	aatgacttct	aattataaaa

FIGURE 5-U

76681	ggatatttatg	caactgtatt	atgactatta	ataacatatt	tctagaaggt	tcctatgaac
76741	atgagtgcctt	aactgcatgg	ttttataaag	aaataatttt	attttgtatg	tctgagattc
76801	ttgtttatatt	atttctaccc	acaatctatc	actcaggggt	gatgacaaat	gtgaatcggt
76861	ttctgttccc	attgcctaag	tgataacttt	gccttttctt	gggtatccta	agaatgtatg
76921	atatcctgaa	agcttgtcag	ttattaattg	agcacagttg	taaatctgac	gacaaaacat
76981	ttgtttacaa	cattgcaata	ttcttcaacg	acacgtatgt	agcagtgcct	ctttaaccac
77041	acacatacta	accaaattat	taatatattac	tgtgtggaca	aaaacaagaa	acacatctga
77101	caacatTTTT	ctttggagtg	aactgagatt	taataatgaa	ttaaatatct	ttaaaattca
77161	taaatatgac	actcttgatt	tgtaaaaaac	atgcaacagt	aaagacaata	aaacaaaaag
77221	caaaagtgac	tgactaata	tagcacaagt	gcagtttttt	aaataatttg	agaacccaaa
77281	gttttctcat	aagttcctta	gataactggt	tcataatttca	agtaccatca	atgggcacac
77341	acaataactg	aaactgatca	tttaatatct	actgaaacat	tgtgatcaat	aaatgctatt
77401	ttacttaatc	ttagtttata	agtataaaact	ggcttttgca	gatttgtaac	tttgtcctga
77461	aataaatttta	cttaaggatg	agaattttct	aaatgtttta	aagtaaccca	catattgaga
77521	aagaactgct	tttgttacca	atagtaggtg	atccaaaacc	agtattctac	agtttgcttt
77581	tactgaaaaa	aagaggctaa	aaaataatga	tgtctccaga	gtgaaatcat	attgtttaca
77641	gctcagttat	tatactacct	ttcaaaaaatg	agtttatttg	ctgtcacctg	gaggaaactgt
77701	gacagaaata	tttatattcc	acctctcaca	ttgaaaaaat	ttgtaaaaag	aaatcctagt
77761	aaaacaaaat	gttacaaaga	tgacacgtgt	gactctgttg	gaaagaggaa	aaagatgaaa
77821	gaggtaaattg	agagtaaagg	gaaataaaaa	caaattctta	tattttcaat	tgcataaagg
77881	tagttaaagc	aagcagatgc	catgcttata	tggaaataga	caataaaaaa	taatttcaac
77941	ccacaatctt	tagaaatgtg	gaatgttaaa	cacagaagaa	aacaagcaca	accaacctac
78001	agtgcctttg	aaatttgtaa	aattattagt	actttatatg	gttacctttt	atttttctta
78061	aagggtattaa	ctatgctgct	actaaaaatga	gaggggtctg	atgtgagatt	gaatcatgca
78121	gagttgcagt	gtcatagaat	attaatcagc	tagccctaaa	cctttcagtt	agtgctcaca
78181	gaatgatttt	tctctgtgat	tgaatttggt	tccatttatg	gcttgtcatt	ataggctacc
78241	caccaggtca	gtgtaggctc	tggaaatcct	gttacttcaa	cttccaaagt	cactggagaa
78301	ccttccatga	cagttacatt	agacaggagc	ctggagaaat	taggtgcctg	gtcagctagg
78361	ctgaccacgc	tgctctttgc	tgatgtgctt	ttaatctctt	ctcgaggaac	catttgccctc
78421	tgatagcccc	tgctgggtgc	tgattgaaac	ctgaggcccc	agaatgcctc	agaggaagca
78481	tgacgcctat	cttgggtttt	agtgaagtta	ttatcagcat	gcattttctc	ccgtgtttct
78541	agcaaaccac	cctgagcctg	aggggtctgc	tgtaaagctc	tctcatgcac	ttcactcatc
78601	atgctctctg	gatgttcagc	actgattctg	tgtaaggcag	tactcttttc	cacgaatcct
78661	ctggagggtta	gtgggggctc	agctttgaaac	tggaggtaag	gcctctcaaa	atgacttgaa
78721	aatgtttctc	tcttatcatt	gcatgcatcc	gcaaaggcaa	caggtgggtg	agaacagat
78781	tcctgggcct	cccctgggct	gctgggtcca	gcctgcaccc	catagctgct	tatgtgaagg
78841	ctgagggagg	agctgacagg	ctcttccacc	tccatgtcag	atgggtcaag	agggcactca
78901	gggcttcctg	ggagaggagg	caaggagatg	tcacaggtg	agacacactc	atattcttcc
78961	cctgagagca	tgtcttcagg	caggagcagg	tccctggacgc	caccctcctt	gtcagtgagc
79021	accttcagggt	cttgtggtag	tcgctcttcc	cctgttccat	tgatgcccaa	aagatctgcc
79081	acctgcacct	gccccttgaa	aaaagaaaaa	ccaaatcatc	cttattcatt	catttttctt
79141	ttctcagttt	caattacagt	aaaactcaac	ttcagagaga	taactcgaga	caacctcaaa
79201	ggttaaaatt	tagggggctg	gagcaagaat	taYggatgag	aaaccatttg	tctgtcgatc
79261	ctgagcacag	tcccacttct	catgactaag	gaatcattat	aaagacctca	agttctgagt
79321	aaagtgtgat	agacattgtg	aacagaagag	agaaaagccct	agtttccatc	tgtagtgaag
79381	gggttggaat	agatcaacat	ctttcaaac	atgatctggg	gagtcttctc	aaacagcaaa
79441	gtcagcttag	gtctggcttg	tctacacaca	catctataaa	cacacagatg	ctgaccatca
79501	gagactccct	tgtaggtga	ttccttggac	tctcccgaa	taacctgtcc	tttctctcaa
79561	gaaaaccatt	tcttttttaa	ataaattgta	gtgaaatata	cataaaatgt	accacttcaa
79621	ccatgtttta	gtgtacggct	cagtggcatt	aagtgcatte	acattgagtg	taactatcac
79681	tgccatccat	ctccagaact	ttttcatctt	tccaattgaa	attctgtatc	cactaaacac
79741	taacccccta	atcttttgtc	ttcccccgac	tcagcctctg	gcaaccacca	ttctattctc
79801	ttgctctatg	catttgaccc	ctctatgtac	ctcatataga	gaaagcaatt	cttcatgact
79861	agttttatatt	tcttgaagtc	ccttagttta	ttcttgcatt	gaaaaaatat	ttatgtagca
79921	cctactgcta	tacactagga	acctagttag	tattagaggc	ataatttggg	gaatacaagt
79981	agatcagtc	ctgcagttga	ggagatgata	tccagtggga	ggagScagat	attaatggaa
80041	caatcagact	tgtatggcctt	tcccaagaga	gcacatcaag	atacaatagg	aaagcacctg
80101	ccacttgtct	ctgctccaat	ctgagtgtag	tccctgctagg	agtggtgagt	agcagttact
80161	ctttctctgc	ttccactgtc	ctagtctaat	ccacatccat	ctctgggtta	agaagaggct
80221	caaatgtccc	tgttgcatag	actcaaaaga	acattgaagc	tgaaaagcga	tcttatctat
80281	cccacactgc	tggttttata	tctctttctt	gtgccgttcc	tcagcatttt	gggtgcctac
80341	ttacttagta	tgtactgggt	tttgtcctgc	agtaactgat	gcataatagga	aagtcacatc
80401	ttgccttgcc	tttgagtttt	tcatttttagc	cgtagtcct	gctgttgata	tacattttgt
80461	aagtgatttt	taagaaaata	agactgggtg	cgggtggctca	cacctgtaat	cccagcactt

FIGURE 5-V

80521	tgggaggcca	aggtagggg	atcacaaggt	caggagatag	agaccatcct	ggctaacatg
80581	gtgaaacccc	acctctacta	aaaatgcaaa	aaattagcca	ggcgtgggtg	tgcgacctg
80641	cagtcccagc	tactcaggag	gctgaggcag	gagaatctct	tgaaccaga	aggcagaagt
80701	tgcagtgagc	caatattgca	ccactgcact	ccatcctggg	caacagagt	agactctgtc
80761	tcaaaaaaaaa	aaaaaaaaatg	ctatgtgtgg	tgatgggtgc	ctgtaatccc	agctactttg
80821	ggaagctgaa	gcaggagaat	ctcttgaact	caggcagagg	ttgcagttag	ccgagatcga
80881	gatcgtgcca	ttgtacccca	gcctgggcaa	caagagtga	acttcgtctc	caaaaaaaaa
80941	aaaaaaaaaaa	aaaaaaaaatg	gttttcaggt	tgaagagtcg	aagcaaagca	atgttgcttc
81001	tactatccca	cagagattat	ctctcctcag	agaaacatta	acccaactta	gcgaaagtgg
81061	tttccttcag	ccatttacta	aaagttttaa	ttctgagtct	aaaacccaga	tgttcttaga
81121	agttccccct	attaaaaaga	atattaaatt	actaattgcc	cctccctctt	ttggctgtcg
81181	tgttgactgt	tagctcggtc	tctctgtcca	tctcttcatt	aaagtagaat	gcttattttc
81241	ctccttatgg	ggactttgat	taaccaccta	ttcagtctaa	gaatctccac	tacaacattt
81301	tggcagcctc	tatttgaaca	ctttttctga	aagagtactt	tgagaatgtg	tgcttacttt
81361	gtgttaagaa	tatcttccta	tatgtagcaa	agatctgcct	tcctgcagtt	tcaccaatg
81421	gatctgaatt	ggcctcctgg	agctacacaa	aaagtccagc	tgctctccaa	ctttaatagc
81481	tctttgactg	tttgagaat	tggctctaca	acctgtctaa	gcctctttct	ctgtaccaga
81541	cactctcagg	tcttcttttg	cctcaactct	ctctcatcat	cttggtcatt	tctgggaggt
81601	cccactccta	ctgcgccaca	agatccttca	tagaagagca	gggacatttg	ttgacttggt
81661	ggccttccag	gggcagacaa	tgacaactcc	ttaatgactt	cttcaggtaa	cctatgactc
81721	tccacagaag	aataatgttt	tagaattgtc	tgaaaactta	caacaagctt	aggagagaaa
81781	cttgaatata	agtcagacc	catctcccaa	ctcctcaatc	cctgctgggg	aggaatttat
81841	ttcctaattg	agggtttgga	agaaggtact	gagcatgctc	agatctgtct	ctatgaggcc
81901	ctcacttttg	gatttgcctt	tcatgaaatg	catgggttca	ggttggtctc	aaggcatgaa
81961	aatcccccg	aggtagaagtc	tgtggtcgtc	tagatgggca	cccaagtggg	ctgggtacat
82021	atttaactta	tttaaatcag	gcataagtt	tagggaaacc	cactagaaaa	gtccaagcca
82081	tccagcttta	actggttcct	gactcgtgta	tcttactttc	agctgggtgc	aaacacatga
82141	aaggaatata	aggctatcat	tttttacttt	ctaacaattc	ctaaaaatga	aaaagtactt
82201	tcctcaaaaa	ataacactac	ccaataattt	ctactatcaa	taagaggaaa	agagttttct
82261	caaactcttt	tctggaacca	tttaacttcc	cattaaacat	gtttgtttct	agagttgttt
82321	actttccaga	tggtaaagta	tcagtggaa	catcatcttc	ttgacttata	tgatatgttt
82381	ttattgaagt	gattgtatta	gttcattttt	taaaataaaa	atcacatggg	accattgact
82441	tatgctgaat	ttgtagtcaa	ctaaaatgtc	ctacctctc	tgtccattaa	tgctattgat
82501	gaaaatgttg	aacactgcag	tgtttagaac	aaagttagat	atctccacaa	gacagattgt
82561	ctccaaagtt	gacgttgatg	aactacttaa	cactcttgag	tacaattata	acttggccaa
82621	accctcattc	agtacacatt	tctccactta	tcttaagaga	gcatacatag	tgtgtttatc
82681	aaatgacatc	ttgaaacat	aataaattat	gcctatggca	ctaacctaga	attactcatt
82741	aaataatcat	ctcgggaagc	aagataaggt	gagtttaata	tatatgcaag	tggctctctg
82801	agtaaatcaa	tttggctctt	ggcactactg	cttttattct	taaatgcaaa	atcgaatgca
82861	ttaaattatc	acaggtactt	caaaaactatg	tacatctatt	atgtatcata	taaaaattaa
82921	aaaaattaaa	aatgcaaata	agatttccgt	ttttaagtca	ttatggaatt	ttatggaaac
82981	attattttat	tttattctca	ttttattttt	tgagatggag	tttcaatttt	gttgccaaga
83041	ctggagtgca	atggcacaat	ctcggctcac	tacaacctgc	atctcccaag	ttcaaatgat
83101	tctcctgcct	caggctccca	agtagctggg	attacaggca	cccagcta	tttgtatttt
83161	ttagtagaga	cgggttttca	ccatgttggc	caggctgggtc	ttgaactcct	ggcttcaggc
83221	gatctaaccg	ccttggcctc	ccaaagtgtc	ggggttacag	gcgtaagcta	cagcaccag
83281	ccagaaacat	tattttaaaa	ctcactgagc	tataattttc	agaactgtct	agttttcaac
83341	tatgaaaatg	ctatccaaac	atttacatat	actaattatt	tgtaaatatt	ttttcaccat
83401	aaaaccatgt	ttgttattac	caaaaaaaaa	atgtgtgtgt	gttattttacc	cagaaaagtt
83461	taaaataaatt	tatggttttc	agtacagaca	gggcataattt	acatcagttc	aatgagttct
83521	ggcaaaaatg	ctgggaaact	ctgatctaat	tcacaaaaac	atagctcaac	tctcaatctg
83581	cttttcttat	atcaaatgga	gaggctgata	tttgtctttt	tgttgattcc	tttttctttt
83641	cccaccttct	aaatatatga	atggcctgca	gtcttatctt	taagttctct	aattgtctct
83701	atattccttg	cccctcaaac	atcttaccac	cttacatatc	tagtaaacaa	ttagctttta
83761	attaatacta	aatctattag	cttcaagtct	tatctctgtc	aggacttctg	aactttcatt
83821	tctgctgag	ggcataatcc	cttgcattta	aatcattgcc	ctgtaggcag	aaaaaatgtc
83881	tagaaggag	aatacagtg	tattctctaca	tccattcaac	taagtgggca	gaaccaatcc
83941	tcaagtgcca	tagagcagg	aactacatat	gtggtaaat	tgaaggaaca	ctacaagatt
84001	ttatcttcca	aaatacctcc	ataacagata	gccttacttt	agggtaata	agatttaaatg
84061	aaagtaagta	ggaagaacac	aaaggaagat	attaagcata	ggacttgggtc	tgtaaaacac
84121	atttctagag	aaggccctta	gcgggggctt	tagacaaaaa	ggggtaatgt	ggtattttgg
84181	ggcacttttag	gtggacaagg	taaaagaaaa	gggaacagag	aggtgggtgaa	gaagaacact
84241	aattttcttc	ccaatttctt	tcaaggcaag	tgtttcagga	acatcttcct	gtacctgccg
84301	ggtgatcagg	attattgtgt	gtgtgtgtgt	tgagggtaga	gggggagtg	agggacctc

FIGURE 5-W

84361	ctcacctagt	ctgataagag	cactccactg	aattcctttg	tgcaaaaaat	atctccatgc
84421	tattgcttat	aagcagataa	ataggaagag	gggaaaagtt	tgcatggac	atctacagta
84481	tcattacaaa	gcagcttatg	tatacgcaat	agttcctggg	Rgctccatt	ttggtcttgY
84541	gggaaaagtg	tatggctaaa	attcaggaga	attgggggtga	ctgccagttc	ttacactact
84601	ttctgtaatt	tttggaggac	aatatattca	atcccttttg	gcctcagttt	cctcaactgt
84661	aaaatgatat	ttgattaaat	cccttctagc	actaaaattc	tataactcta	aatgctggca
84721	tcaaaagcca	tcattctcca	ccaaatagtt	gcacgacttt	aggtgagttc	gttaatactg
84781	tgtgcttcca	tttaacctta	ggagttttca	tatcttcagt	gctcacattg	ggaataaaac
84841	accatcacta	atctgttagc	agtgtacgt	gtgttgcat	tagtgaattg	cctaattcca
84901	cctgctgcat	ttttgggtct	gaaaaatgag	aagtactttg	ctatctccag	gaaaaaaaat
84961	ccctgcattg	aatatattct	tatagtagtt	cagtggaaact	attctttcca	actcaaataa
85021	tttcctcagg	aattctacca	tcattttaagg	gtatcagaat	tgactgcaat	aataccagga
85081	caagcttttc	acttgggtgt	tcctatctgc	ccacatgggg	ttgtggagaa	tcattacatc
85141	tgatctacat	ataaataata	cagacaataM	gagggtaaat	gtgattgagc	tacttaaaag
85201	tgaagattac	tgccaccttt	tcattttgct	gtctacacca	attgcaccag	gacataacat
85261	gacgttaata	acaattcttg	acagctgtaa	ttgtagaccK	tcacttacac	ccaaaatgac
85321	tgatgctcca	accttttagt	ttgtattaga	ataaaagtta	ttttccatg	aaggtaaaatc
85381	ttgctttttt	tttaatttaa	ggaatctgtt	tcttctaaca	agaaaaataa	agcaagaaaa
85441	actactttta	ctaagtataa	attatttttg	tttgcttttg	tagcaataac	ttttgtttct
85501	gagttcttag	taagtgtgtc	tagttcacaa	tgtaggaaat	tgtgcagaac	taataaaaat
85561	aaatgacagg	gtgttgaggt	tagtaactct	tagaaacctt	tttaagaaaa	tgtggtgcat
85621	taaaggctat	tctttattgt	gtcgaccact	cattctcaaa	tgaagtgatt	ttagtataat
85681	agatgctact	ggcatctagt	gagcaaggcc	aggaatactg	ctaaactaca	atgcgtagga
85741	cagctcccca	caacagagaa	ttctctggcc	aaaatgtcaa	cagtgtctgt	gttgagaac
85801	cctgatattag	accaatcaga	gtaacgtaaa	accatttgat	acaagagtag	catccagcaa
85861	aatgacccaa	gtttggcagc	tctcctttgc	ctcagagagg	aatctggggt	taagtcgctc
85921	aagaccctac	cacaaaaaaa	gacagtttgc	ttaacactac	ttgctgctg	ctggttgtat
85981	aactgcacca	ggccttgaca	tagattaacc	tgtggaaaag	gacctataag	aaagctgaaa
86041	gaaccatact	gacttcaagg	aaagataaat	ctttctccac	aaaataactg	ttacaaatgg
86101	agaggggttt	tgtttggttt	taactctcat	gtcacaagaa	gtgtatttta	ttatattgag
86161	cacggttcag	aataatgttg	actttgattg	ttccttcagc	tcctcaggag	agaaacactg
86221	ggagcaggca	acttggcaaa	gcaaaagtgc	aaaagcta	tatagtcag	cagctgtgaa
86281	tagagagtga	gcaacttatg	ctgaaaaacc	atcttgatgt	tgtgatttaa	ataacacttt
86341	caaaatcatg	atacatttgc	atttttgtga	gtatctgtag	tcgttacatg	ctttatcagt
86401	aagtgcataa	gtgttacaat	aattttaata	tttctctaaa	tacttttagt	tttatatttc
86461	agctggattc	tatggtttga	taaatgtgcc	tggaaatatc	atcttagagg	tagagtctat
86521	gggaacaaga	tatgatctaa	tttcacgtat	taagctttgc	taatgggttg	gttaaaacat
86581	aaaaatcatg	gcttggcaat	atgataaaaa	gggataagta	aaatttgaa	ttggattgga
86641	tataaaaaga	caatggaaaa	ggcagctaga	gatgggaaaa	acaagtgggt	tggggtgaca
86701	tggcatttaa	atggctgtcc	caatgctact	gtgaaatgtc	atggtttcca	gtactcgata
86761	gtgagaagct	cagaggaaac	agcaaacacg	agagaagaag	caccaataga	ggagcaaaag
86821	gaagcaagg	aggaggaaac	tcacatttgc	tttactctgg	gaaattctat	ttggtatgat
86881	aagaaagctg	caattcactt	ttattttgca	atggacaatg	actttaacct	caaagcaaaa
86941	gtcctcaata	gctgaggtta	agtagttttc	tttaccttat	tcctttcttc	atgaaatatt
87001	gtctgcttat	tttttgctgg	ttccttttagc	aagtcaatgt	aatcataatg	gaagtcttcc
87061	aaattcggat	tcattcttaa	aacatctccc	tgctgtacaa	agcaacagtt	agtgaagca
87121	tgagccagga	aagttggaga	acagtgccat	acactaacta	cttggaagaa	aacatagacc
87181	acttgcaacc	tttcagcaaa	tatatccac	aagagactgg	tgtactccca	tgatgtgatt
87241	tataaaatta	tcctccccag	ctcacagttt	ccctcctgcc	tcattccttt	gatagagttc
87301	attgccagta	aaaattgggt	gttgaaagac	ccagcaggaa	aaaagtaatc	attataatag
87361	gatgcttctg	caggagcatt	ctctagagaa	aggaatcatt	atgcatggca	gtgtaacca
87421	ttaggagagt	ctggggagca	gcagtgaagt	agaaatgatt	aaagatctct	aggggagag
87481	aaagtaggaa	atccagagaa	tctacacaag	caaaatactg	gggagactct	tgaaaagagg
87541	aataaaatat	cactgagtat	agtaaagaaa	aacagcaatt	gagaacacag	gatgcKtcat
87601	gtggttgaag	atattttgtt	ccctgcattt	catggggctc	agtttttagt	atggaggtag
87661	tgggggtttg	caaagtactg	tgagtgcagt	gcaagagccg	agaagacttt	gtaaaggtag
87721	aaagaaccac	tggtatcaca	cattgatagaa	cacaccagtt	tagaatgatg	attatactgc
87781	aatggaagag	tctctattcc	acctggaata	aaatccttag	atgagtctta	aacaaacatg
87841	catgctcatc	aaaatgcata	tgcaacactg	gctcggagga	ttcaggggaga	cccactactg
87901	gggagattct	gctttcagtc	ccaactctaa	accgaactgg	tttgtgctgc	tcaatgagtc
87961	actctgcttt	ggatgcagc	tgtatcttta	ttcctaaata	tcagctgggt	tggaaagaat
88021	gctagatatt	gaattagatc	taaatctaaa	tttcagatct	accactattg	actattgggg
88081	cccatgtaaa	gcactcttac	cctctttgga	cttttctttt	cacctctaca	cagaaaacat
88141	ttgccttctt	ttcgtctcaa	cattatttgg	aaatcactgg	agataatgta	tatgaacgtc

FIGURE 5-X

88201	ctttgtaagt	ctcaaattgc	tatacattag	aaaggatttc	tatcactatt	taagccctga
88261	caggaattgc	tgagcccatt	ttctataact	ttgaaaagag	agccatagca	tcaaccttta
88321	tattttaataa	cataaaaaat	agacatttgc	tctcttcata	caaacacctg	taaagtgcgtg
88381	gtaagcattc	tttggaagc	gtttgttgcg	gctgtaactc	ataaagataa	tgctgatgcc
88441	tattttctctt	gccagagaga	ccctttctca	tttctacatc	cacccaaatt	aaacatcttc
88501	aagcaatgaa	tgatagtctt	tctctgtacc	aatccattgg	gcattttacta	caaatgccaa
88561	aactctttct	ggagtacctg	ctttagaaag	caaagcaggc	caggtgcggt	ggctcacacc
88621	tgtaacccca	gcattttgag	aggccaaggc	ggaaagatca	cttgagccca	ggagtgtgag
88681	accagcttgg	gcaacatagt	gagacctcaa	ctttacaaaa	aatcaaaaac	attagccgag
88741	tggtggtggtg	catgcctgtg	gtcccagcta	cttgggaggc	tgagggttga	ggattgcttg
88801	agcctgggaa	gtcgaggctg	ccgtgagcca	tgataacacc	actacactcc	agcctgggca
88861	acagagcaac	acactgtctc	taaaataaata	aatcaataaa	taaatacaag	gcaaagcata
88921	gtgttaaata	ttgtgtggga	cactaaattt	agcagcgcca	gagggtttcc	ttaagtataa
88981	tcaagtaggg	agggttggga	tggcaacagc	agttatatgt	gatgtaatta	tatgtagtag
89041	ttatatgtgg	gattatacta	gtgttatagc	ctgaatgttt	atgctcccc	aaagtttata
89101	tgttaaaaatc	cacatcctta	aggcgatagt	attaggagat	gatgcctttg	ggaagtgtatt
89161	aggctcatgag	ggtgaagccc	tcatgaatag	gattagtgcc	cttagaaaag	aggcctgaga
89221	gacacccctc	attcttttac	catgaaaggt	tagagtgagt	agacagctac	caggaagtcc
89281	tcactagaca	ccaaatctgc	cagcatcttg	atcttgaact	tccagcctcc	agaactatga
89341	gaaacaaatg	tctgtttttc	ataaggcatc	ttgtctatgg	catttgccat	agcagccagg
89401	atggactaag	acaggttaga	aggcacacaa	gtggcatggg	agatcaggga	gggagtata
89461	tagctaagga	aggatttatg	gaggagcgag	catttggtgt	tggctctgag	agatgtaag
89521	atttgcaaaa	acagagacag	aaggctgtgt	ccttgaagta	aaggttttaga	agtgagaaat
89581	cccagggagc	atagtagatc	agtgggacac	agacctacag	tgaatgcaga	agcacaatgg
89641	tttggaaggg	tgaccagctt	cagaacattg	aaaggccttg	aattggaact	tgactKggta
89701	aggaagagtt	tgtagtagag	tgttgtgaat	gtgaagatga	cactagcaga	actatttagg
89761	aagggtaatc	tagctgggag	tataattagg	ggactcctga	ctactgcaaa	agagaattcca
89821	agtgcacaggt	tgagcgtgag	aaagagagaa	tgcaatcctg	actacactga	gggtgtaagg
89881	aatggagaat	gaggaaagtgg	gagaggctgt	ggaaacagct	ctttcaggaa	gaatagccat
89941	caaggtaaaa	gctggaaagg	gatataactt	gaagaaagta	gattttatga	agctgaccct
90001	cacttgaaga	tgtgcaacgt	aaacgggagg	aatattgtag	acaatgaaga	gcaaagagtc
90061	ggaggaagca	ctgattttcg	gccttcgtat	tggaaagtcag	aagcagcagc	agctcctcgg
90121	tggtgggggtg	gaggtgggga	ggaaagaata	aatgttgaaa	aagataacat	gagatatgtg
90181	gtttattatc	attgtgaaac	aatgatggga	agcaataaac	atacatatta	gaaatattaa
90241	tcatttcata	tattaaaaat	ttcagttttc	tcaaacctga	ttgtagaatt	tatgtgtggg
90301	taataataca	aaagaaagaa	aaagctatgc	acgaagatgt	tcattgtagt	gttattttaa
90361	atggtaaaat	gtaaaaaaaa	aatctagatt	tttaaccaaa	ggataaagat	aatttggttg
90421	ggcaccctact	gaattaaaag	cctcacaaac	tatttgaata	gaagaggcac	ataaatttat
90481	gacatggaaa	ttcctacaga	aaaaagaggc	tgctagaaat	aaacataatt	ctgctctgaa
90541	ctgcaagacc	accactaggc	ctcaataaca	attatcacaa	caataatctt	gagtatcttc
90601	acagtcaatc	ctccgggcta	ccctgggatac	cactttgtag	atcagggaac	aggctcaggg
90661	agattcaata	atttaccocaa	ggtcacaaat	ccaattattt	agggagtgg	tatttcaagg
90721	caactgtgct	ttgctctaca	gcctttgatc	ttaatgacct	tgctgttctc	cccatcctca
90781	acaaccagtt	ctttcagcca	gctataaaaa	cagcattaat	caaaccagtt	tttgacatga
90841	cattgacaaa	gaaacatatg	tatttcaactt	taactggttt	tgcttagaca	taaacatatt
90901	ctccatattt	gttaccatca	aatttgtatt	ctacgaaaag	tgatcatgat	tagtttacta
90961	tttccatgag	gaaaagtgtt	gaatgaatat	aataacctga	gattacttgt	attttctctg
91021	gtgccacaat	ttggagagga	aaaaaaaaacc	ctggcatcta	ttattttatga	acaaaaccat
91081	aggctactta	atacaaaagt	tactggcaga	gtcttaatgg	gacacatttt	ttaggatattg
91141	atccatgaaa	atgtaaaacca	gacaccttaa	ttgtgttttag	ccttcattac	cagcaatatt
91201	tttctctgca	gtgatgggaa	agaaatagaa	ttaattatca	caaacaccca	gataattatg
91261	tttgaaagct	gtaaaacaaa	tgtgcacatt	atgtaccctg	agaaattctg	ttaaaatgtc
91321	tttgcaccag	aagacatttg	attaacacat	ttttatttat	tttgcttgaa	aatacatatt
91381	ctaggaagaa	gaaattacct	tcagtttttc	ttcgagctct	gtgagggact	cacataattc
91441	agtcacagat	tcaagaacct	ctttgtgttt	tgtcactatt	ttctcaatat	atttctgtcc
91501	ttcttccaaa	cctggggagg	agaagatga	aactagtgtt	aaagggtcaa	tttttagcaa
91561	gaagaaaggt	ccagggtataa	attcatctcc	ctgtccagtg	taagggtcta	taaattgtaa
91621	gttcttaata	aatatttgct	gaagagataa	ataaatgaat	aaagacaagt	ttctaaaagc
91681	tagatattct	aggaaaatga	ttacatttgc	tgtaccacgc	cacttgcagt	taacctaaat
91741	aatgttgcta	catgaatagt	cttaaagctc	aattctcctt	agtttttctt	gttcaaaaaca
91801	ttcattgggt	cctctctgct	tagaagaaga	taaattcctc	aggatggcat	tcaagtccct
91861	tccataacat	ggcttcaatc	tgccctctcc	aaatgtatgt	cactctagtt	ctctcctgta
91921	ttttatctcc	agccaaatgg	aaccagcaac	tcctccctga	agatccacac	agcagctgag
91981	tattccttcc	tctaccagga	ctactgtccc	tccactctca	atttctgctg	tcaaaatata

FIGURE 5-Y

92041	acctactcctt	taaggtccac	ctgaaatgcc	aacattttctg	tgaagatatt	cttaatcctt
92101	tccaactggg	tttctctcta	tatatgttaa	taaaaatagc	taccatgtag	cacatgctta
92161	ttatttgcct	gtgcctaagc	actgtataac	cattgctcaa	tgtaatcctt	ggatagatWc
92221	tactactatc	cacatttttac	aaatgaggaa	tgtgatgctc	aaaagatcct	cttgccctcg
92281	catagtgtct	cgcgcctgta	atccgagcac	tttgggagac	cgaggtgggc	agatcacttg
92341	aggtcaggag	ttcgagacca	gcctgaccaa	catagtgaaa	ccccatctct	actaaaaata
92401	caaaaattaa	cctgggtgtg	tggcacatgc	ctgtgatctc	agctactcgg	gaggctgagg
92461	caggagaatc	acttgaaccc	gggaggtgga	ggtttcagt	aaccgagatc	atgccactgc
92521	actccagcct	gggtgacaaa	gcaagacttt	gtctcaaaaa	aaaaaaaaaa	aaaaggactt
92581	cttttaggtga	cccagacaat	aaatggggga	acaaggattt	gaaccagaa	ctatctgact
92641	ctacacccta	ggccaagatt	gtatcacaca	ttgttatggg	ctgaactatg	tcccccatc
92701	ctgccaagtt	catatgttga	agtcccaatt	cccagtacgt	cagaatgtaa	ctgtatttgg
92761	aaatgagatc	tttaaagagg	tggttaaatt	aaaatgaggc	cattgggatg	gggcgcta
92821	ccaatgtgac	tggtgccctt	acaagaagag	ggagagacac	caggggcatg	tgtgtgcaga
92881	gggatgacca	cgtgaagagg	cagcaaggga	tcagccatct	gcaagccaag	cagagtggcc
92941	tgagatgaaa	tcaaccctgc	tggcatcttc	atcttgact	tccagacctc	agaagtgtga
93001	gaaaagaagt	ttctgttgaa	gccaccaggt	cagtggattt	ttgttacggc	agccctagca
93061	aacaagcaca	aacattttat	gtccttctca	ctccattttac	cataccatga	cttcaaggac
93121	tagactgtgg	tctcttgaat	ggaggaaacta	ggtcttaatt	gtctttataa	cagccacagc
93181	tcttagtaga	taacagggtat	gcacaaattt	gtttgagata	atTTTTtGca	tgaaaattct
93241	gagttcagta	atgcttgagt	agcttgcaag	agttgataca	atcttaaagt	gcctcccttg
93301	atgcaaat	taaaaaatat	atagcttccc	taccaaacag	acggagactc	atgctattca
93361	tttactcatt	cagtgattca	tttattttatc	aaatatttgt	taagcagttg	gtatgtgcca
93421	ttagacagtg	aactaacaag	caaaatcgct	cctcaaatac	agcttacact	ctggtaagga
93481	aagtcaggca	acagacaaat	acctatataa	aatgtcagtt	ggtgataagt	gccaggaata
93541	taaacaaagc	cagatgcagg	atcttgcagg	acgggaagg	aatttaactt	tttagggctt
93601	ttgtcagcac	ttctcatgct	ctgagattga	ataggcactg	atccaggcac	aaatacagtg
93661	aaaaaaatat	actttcctca	agtttatggg	tagtagagaa	gaccaatagg	tatttatact
93721	acaacgtaaa	aagttcaatc	gtggaggaaa	catatatcag	gctatgggag	cagagtgtct
93781	ccaaaatatt	tagtgcactc	acacggtaac	tccagcaaga	agatgtcacc	ttagtttcca
93841	ttaatTTTTc	aatccatatt	ttattattttt	tatgtttcta	tccttttctt	ctggaatatt
93901	atgaataatt	cattctcaac	aatTTaagta	gtatactaca	aaatttatgg	ctctccatgg
93961	atagtgtttc	atgtttataag	agaaaataacc	tggcagcagc	catgggcagg	caaatataagc
94021	atTTTgtacc	aactgttgtg	tcttctttct	gggctgcatt	tgcttggtca	ctgggaatta
94081	ctctgggtct	cacaggaccg	ataccaggga	attcatggaa	cttattcctc	agaaccctca
94141	agaactatca	tcctccatgg	acttcttaaa	tggggggcct	cttttaggag	gaaggatctc
94201	tcaggctgac	atgacattat	ctttcctagt	catggaagag	aggaaagcag	aacttgtaaa
94261	atggcaattt	gagttctccc	atTTattcca	caagtgagag	gaaagtgaag	gagaattttc
94321	caggctctttc	tcaaatatgt	gagccaaaag	cctcatagaa	aggagaggac	tggagacttc
94381	agtcttagct	ttatgtcttc	ttaaagtatt	actgaaattt	tgtatgtttt	tcaaggaatc
94441	actctagtgg	aaattagatt	ttgtttgttt	gtttgtttat	ataagctgag	tattgttctg
94501	gtgttatagg	cctagagatg	aacaacagg	atggaggaga	aaagagaata	gagaagtgag
94561	gcttacacaa	agtaggtaaa	aatctgcagg	cttcatctgc	tgtcagaaat	tcctccctct
94621	gttccctgtt	tgctttccct	ggctgtgggc	tcttaccttg	aacattttcc	ctgaatacac
94681	tgggtgtgctg	aggaccctga	ggacttgcca	cactcttgct	gtctactgga	ttaggctcag
94741	tatagatttg	ttcaatggcc	aatcactgga	tatcttaaaa	gagatctcac	catataagtg
94801	ctgagcaagg	tcagtggcct	cctgaatcct	ttcttcttgc	tgcggcactg	aggggtgcaat
94861	aaacttatta	aactgctggt	ggagaatttt	cacagcttcc	ttgtcttgc	actctgtgga
94921	atattttcca	actcttaca	ctgtggcact	tgcattctcg	tacaaaaaat	gacactaaat
94981	ttaaatggga	taaagcacag	atgaaagaaa	taccatcctt	ctaaagtctt	taattttgac
95041	cagtgaagta	tcaaatttta	attccctcaa	ctaatgttc	acattggcct	gaactttcta
95101	agtcataata	aagaaaaatat	taaaacatga	tcgtattcta	cagcacttaa	atgttagcag
95161	cagaaataaa	tacaaatgtg	aaaatatgta	taaataaaac	tataagaaag	taaaaatatg
95221	aaaatatatt	tgattctcct	accttcttag	gtttgcctaa	aatataattc	ctaagaggaa
95281	tgttgagac	ttataagaac	aggcaggata	aaaagcatct	ggcactaaaa	agaatccaaa
95341	tacatgctaa	atggcaagaa	aaaagccaaa	tgttcacaat	ccagcataaa	gaattgatat
95401	cattaatcac	acactgctaa	agtattgcct	gatgaatact	ctaataaata	aattactctt
95461	gaagaataag	atttagttta	tgaatgggaa	aatatcatct	aacaaatagc	atTTcacctt
95521	tgcttagtag	aaaatgggta	tagtttccaa	acacagtgga	gaatgagaca	gtttctcatt
95581	aaaaataact	gtggctgggc	gtggtggctc	acgcctgtaa	tcccagcact	ttgggaggcc
95641	gaggcaggcg	gatcacgagg	tcaggagatc	gagaccatcc	tggctaacac	ggtgaaaccc
95701	catctctact	aaaagtacaa	aaaagtacgc	gggcgtggty	gtgggcgcct	gtggctccag
95761	ctactcgga	ggctgaggca	ggagaatggt	gtgaacccgg	gaggcagagc	ttgcagttag
95821	tcgagatcac	gtcactgcac	tccagcctgg	gaaacagagc	gacactccat	ctcaaaaata

FIGURE 5-Z

95881	aataaataaa	taaataactg	tgatggaagg	aatgtctgac	tcaggcctga	agcacttatg
95941	caggggtgaga	aatagaaaca	catgactctg	ttagaagttg	gttttaaata	agtgccacaa
96001	agggaccaca	aacttatata	tcatatgtag	aagactgac	atgttgattc	tccttaatct
96061	ggtgttaaat	ctaaaaactc	agctgcatta	gtggtaaaga	cgttctgtat	ctcaaacaat
96121	aatgggcaac	aaagaacact	caagaacttc	aagtgcagaa	tttcttcaat	acaaagtgtt
96181	caaacaataa	ctttaacttg	ccaaatttca	tatatattat	gtatactcta	ccatttatct
96241	tcttgacagt	aataaaaaga	aacaccaata	acaacttttt	gtagctgaaa	aatcacagta
96301	tcacttttta	aaataaata	tttcaagttc	tgtgaaataa	ataaaccatt	ctgagcattt
96361	taaacagata	tccagcagtg	aacataattt	catgataatt	aaacatcttc	atctgatgag
96421	ggtatggaga	aacaggaact	ctcacacatt	gccagtaaat	tagtaaagac	ttttctcaag
96481	agaaattgac	caataaaatc	aaagacctta	taatattcat	ccccttaggt	ccagcaattc
96541	tatttcagag	aattatccta	aggaaaaaaa	atcatgaaaa	ggagcatgWt	acatgaatat
96601	aatgagaata	acagctaata	caacattgct	ttaaagttgc	aaaatgattt	ttgaaaacaa
96661	cattacaaca	tgatataacc	tgcaaaaaga	gaatacctct		

FIGURE 6-A

Ensembl GP6 transcript
ENST00000310373

ATGTCTCCATCCCCGACCGCCCTCTTCTGTCTTGGGCTGTGTCTGGGGCGTGTGCCAGCG
CAGAGTGGACCGCTCCCCAAGCCCTCCCTCCAGGCTCTGCCCAGCTCCCTGGTGCCCTG
GAGAAGCCAGTGACCTCCGGTGCCAGGGACCTCCGGGCGTGGACCTGTACCGCCTGGAG
AAGCTGAGTTCCAGCAGGTACCAGGATCAGGCAGTCCTCTTCATCCCGGCCATGAAGAGA
AGTCTGGCTGGACGCTACCGCTGCTCCTACCAGAACGGAAGCCTCTGGTCCCTGCCCAGC
GACCAGCTGGAGCTCGTTGCCACGGGAGTTTTGGCAAACCCTCGCTCTCAGCCCAGCCC
GGCCCGGCGGTGTCTCAGGAGGGGACGTAACCTACAGTGTCTCAGACTCGGTATGGCTTT
GACCAATTTGCTCTGTACAAGGAAGGGGACCTGCGCCCTACAAGAATCCCGAGAGATGG
TACAGGGCTAGTTTCCCATCATCACGGTGACCGCCGCCACAGCGGAACCTACCGATGC
TACAGCTTCTCCAGCAGGGACCCATACCTGTGGTCAGCCCCCAGCGACCCCCCTGGAGCTT
GTGGTCACAGGAACCTCTGTGACCCCCAGCCGGTTACCAACAGAACCACTTCCCCGTA
GCAGAATTCTCAGAAGCCACCGCTGAACGTACCGTCTCATTCACAAACGAAGTCTTCACA
ACTGAGACTTCTAGGAGTATCACCGCCAGTCCAAAGGAGTCAGACTCTCCAGCTGGTGAG
TCCTGCCCCGCCAGTACTACACCAAGGGCAACCTGGTCCGGATATGCCTCGGGGCTGTGAT
CCTAATAATCCTGGCGGGGTTTCTGGCAGAGGACTGGCACAGCCGGAGGAAGCGCCTGCG
GCACAGGGGCGAGGGCTGTGCAGAGGCCGCTTCCGCCCCCTCCCGCCCCCTCCCGCTGACCCG
GAAATCAAACGGGGGTGAGGATGGAGGCCGACAGGATGTTACAGCCGCGGGTTATGTTT
ATGACCGCTGAACCCAGGCACGGTCGTATCCAAGGGAGGGATCATGGCATGGGAGGCGA
CTCAAAGACTGGCGTGTGTGGAGCGTGGAAGCAGGAGGGCAGAGGCTACAGCTGTGGAAA
CGAGGCCATGCTGCCTCCTCCTGGTGTTCATCAGGGAGCCGTTCCGCCAGTGTCTGTCT
GTCTGTCTGCCTCTCTGTCTGAGGGCACCTCCATTTGGGATGGAAGGAATCTGTGGAGA
CCCCATCCTCCTCCCTGCACACTGTGGATGACATGGTACCTGGCTGGACCACATACTGG
CCTCTTTCTTCAACCTCTCTAATATGGGCTCCAGACGGATCTCTAAGGTTCCCAGCTCTC
AGGGTTGACTCTGTTCATCCTCTGTGCAAAATCCTCCCGTGCTTCCCTTTGGCCCTCTG
TGCTCTTGCTGGTTTTTCCCAGAACTCTCACCCCTCACTCCATCTCCCACTGCGGTCTA
ACAAATCTCCTTTCTCTCTCAGAACGGGTCTTGACGGCAGTTTGGGTATGTCATTATT
TTCCTTAGTGTAATACTAGCACGTTGCCCGCTTCCCTTCACATTAGAAAAACAAGATCAGC
CTGTGCAACATGGTGAAACCTCATCTCTACCAACAAAACAAAAAACACAAAAATTAGCC
AGGTGTGGTGGTGATCCCTATACTCCAGCAACTCAGGGGGCTGAGGTGGGAGAATGGC
TTGAGCCTGGGAGGCAGAGGTTGCAGTGAGCTGAGATCACACCACTGCACTCTAGCTCGG
GTGACGAAGCCTGACTTTGTCTCAAAAAATACAGGGATGAATATGTCAATTACCCTGATT
TGA

FIGURE 6-B

Ensembl - Q9HCN7 transcript sequence
ENST00000333884

ATGTCTCCATCCCCGACCGCCCTCTTCTGTCTTGGGCTGTGTCTGGGGCGTGTGCCAGCG
CAGAGTGGACCGCTCCCCAAGCCCTCCCTCCAGGCTCTGCCCAGCTCCCTGGTGCCCTG
GAGAAGCCAGTGACCTCCGGTGCCAGGGACCTCCGGGCGTGGACCTGTACCGCCTGGAG
AAGCTGAGTTCCAGCAGGTACCAGGATCAGGCAGTCCTCTTCATCCCGGCCATGAAGAGA
AGTCTGGCTGGACGCTACCGCTGCTCCTACCAGAACGGAAGCCTCTGGTCCCTGCCCAGC
GACCAGCTGGAGCTCGTTGCCACGGGAGTTTTTGCCTAAACCCCTCGCTCTCAGCCCAGCCC
GGCCCGCGGTGTCTCGTCAGGAGGGGACGTAACCCTACAGTGTCTCAGACTCGGTATGGCTTT
GACCAATTTGCTCTGTACAAGGAAGGGGACCCTGCGCCCTACAAGAATCCCGAGAGATGG
TACAGGGCTAGTTTTCCCATCATCACGGTGACCGCCGCCACAGCGGAACCTACCGATGC
TACAGCTTCTCCAGCAGGGACCCATACCTGTGGTCAGCCCCCAGCGACCCCCCTGGAGCTT
GTGGTCACAGAATTCTCAGAAGCCACCGCTGAAGTACCGTCTCATTACAAAACGAAGTC
TTCACAACTGAGACTTCTAGGAGTATCACCGCCAGTCCAAAGGAGTCAGACTCTCCAGCT
GGTCTGCCCCGCCAGTACTACACCAAGGGCAACCTGGTCCGGATATGCCTCGGGGCTGTG
ATCCTAATAATCCTGGCGGGGTTTTCTGGCAGAGGACTGGCACAGCCGGAGGAAGCGCCTG
CGGCACAGGGGCAGGGCTGTGCAGAGGCCGCTTCCGCCCCCTCCCGCCCCCTCCCGCTGACC
CGGAAATCAAACGGGGGTCTAGGATGGAGGCCGACAGGATGTTACAGCCGCGGGTTATGT
TCATGA

FIGURE 6-C

NCBI - GP6 transcript sequence

NM_016363

mRNA seq

```
ACAGAGCTCAGGACAGGGCTGAGGAACCATGTCTCCATCCCCGACCGCCCTCTTCTGTCTTGGGCTGTGT
CTGGGGCGTGTGCCAGCGCAGAGTGGACCGCTCCCCAAGCCCTCCCTCCAGGCTCTGCCAGCTCCCTGG
TGCCCCCTGGAGAAGCCAGTGACCCTCCGGTGCCAGGGACCTCCGGGCGTGGACCTGTACCGCCTGGAGAA
GCTGAGTTCCAGCAGGTACCAGGATCAGGCAGTCCTCTTCATCCCGGCCATGAAGAGAAGTCTGGCTGGA
CGCTACCGCTGCTCCTACCAGAACGGAAGCCTCTGGTCCCTGCCAGCGACCAGCTGGAGCTCGTTGCCA
CGGGAGTTTTTGGCAAACCCCTCGCTCTCAGCCCAGCCCCGGCCCCGGCGGTGTCTGTCAGGAGGGGACGTAAC
CCTACAGTGTCAAGCTCGGTATGGCTTTGACCAATTTGCTCTGTACAAGGAAGGGGACCCTGCGCCCTAC
AAGAATCCCGAGAGATGGTACCGGGCTAGTTTCCCCATCATCACGGTGACCGCGCCACAGCGGAACCT
ACCGATGCTACAGCTTCTCAGCAGGGACCCATACCTGTGGTCCGCCCCCAGCGACCCCTGGAGCTTGT
GGTCACAGGAACCTCTGTGACCCCCAGCCGGTTACCAACAGAACCACCTTCCTCGGTAGCAGAATTCTCA
GAAGCCACCGCTGAAGTACCGTCTCATTCAAAACAAAGTCTTCACAACTGAGACTTCTAGGAGTATCA
CCACAGTCCAAAGGAGTCAGACTCTCAGCTGGTCTGCCGCCAGTACTACCAAGGGCAACCTGGT
CCGGATATGCCTCGGGGCTGTGATCCTAATAATCCTGGCGGGGTTTCTGGCAGAGGACTGGCACAGCCGG
AGGAAGCGCCTGCGGCACAGGGGCAGGGCTGTGCAGAGGCCGCTTCCGCCCCCTCCCGCCCCCTCCCGCAGA
CCCGAAATCACACGGGGGTGAGGATGGAGCCGACAGGATGTTACAGCCGCGGGTTATGTTTCATGACC
GCTGAACCCCAGGCACGGTTCGTATCCAAGGGAGGGATCATGGCATGGGAGGCGACTCAAAGACTGGCGTG
TGTGGAGCGTGGAAGCAGGAGGGCAGAGGCTACAGCTGTGGAAACGAGGCCATGCTGCCTCCTCCTGGTG
TTCCATCAGGGAGCCGTTTCGGCCAGTGTCTGTCTGTCTGTCTGCCTCTCTGTCTGAGGGCACCCCTCCATT
TGGGATGGAAGGAATCTGTGGAGACCCATCCTCCTCCCTGCACACTGTGGATGACATGGTACCCTGGCT
GGACCACATACTGGCCTCTTTCTTCAACCTCTCTAATATGGGCTCCAGACGGATCTCTAAGGTTCCAGC
TCTCAGGGTTGACTCTGTTCCATCCTCTGTGCAAAATCCTCCTGTGCTTCCCTTTGGCCCTCTGTGCTCT
TGTCTGGTTTTTCCCCAGAACTCTCACCCCTCACTCCATCTCCCACTGCGGTCTAACAAATCTCCTTTCGT
CTCTCAGAACGGGTCTTGCAGGCAGTTTGGGTATGTCAATTCATTTCCTTAGTGTAAGTAACTAGCACGTTG
CCCGCTTCCCTTCACATTAGAAAACAAGATCAGCCTGTGCAACATGGTGAAACCTCATCTCTACCAACAA
AACAAAAAACACAAAAATTAGCCAGGTGTGGTGGTGCATCCCTATACTCCAGCAACTCGGGGGGGCTGA
GGTGGGAGAATGGCTTGAGCCTGGGAGGCAGAGGTTGCAGTGAGCTGAGATCACACCACTGCACTCTAGC
TCGGGTGACGAAGCCTGACCTTGTCTCAAAAAATACAGGGATGAATATGTCAATTACCCTGATTTGATCA
TAGCACGTTGTATACATGTACTGCAATATTGCTGTCCACCCCATAAATATGTACAATTATGTATACATTT
TTAAATCATAAAAATAAGATAATGCACCGTCTCCACCCCTCTCATATTTACTTTCTGAAGGAAATGTTA
GGTCTTCTCAAGGTAAAGTTCTATATTTATATAGCGTTTtaggcatttcttgacctctaataagtgtaa
AACTGTACCACTGGGCCAAGTGCAGTGGATCATGTCTGTAATCCTAGCACTGTGGGAGGCCAAGGCAGGA
GGATCGCTTGAGCCAGGAGTTCAAGACCAGCCTGGGCAACATAGTGAGACCCATCTCTACTTAAATA
AAGAAGTAAAAATTGTTTTAAAA
```

FIGURE 7-A

NM_002290 [gi:9845494] Homo sapiens laminin, alpha 4 (LAMA4), mRNA

agaaggtaaaaagggagtggtgagaatgaatgtgagaaggaagccaggacagcgcaggtccccaggtcccgaacggcca
gggagaggaggtggcctagcgtggcggggctcaccccaatccgtctgccttttgatgccgtactctgctggttgcg
cagccacctcgggatactgcacacggagagaggagggaaaaataagcgaggcaccgcccgcaccacgcgggagacctacgg
agaccacagcgcggcggagccctggaagagcactactggatgtcagcggagaaaatggctttgagctcagcctggcgct
cggttctgcctctgtggctcctctggagcgtgcctgctcccgcgcgcgtccggggacgacaacgccttttcctttt
gacattgaaggagctcagcggttggcaggcaagaccgcctgagacgagcgaaccccgcgtggctctgggacgcct
gccgctgcggccgagaaaatgcaatgctggattctttcacaccctgtcgggagaatgtgtgccctgcgactgtaatg
gcaattccaacgagtggttggacggctcaggatactgtgtgactgccagcggaaacacaacaggagcactgtgaa
aagtgtctggatggttatatcggagattccatcaggggagcaccccaattctgccagcgtgccctgtcccctgcc
ccacttggccaattttgcagaatcctgctataggaaaaatggagctgttcgggtgcatttgtaacgaaaattatgctg
gacctaactgtgaaagatgtgctcccggttactatggaaaccccttactcattggaagcacctgtaagaaatgtgac
tgacgtggaaattcagatcccaacctgatctttgaagattgtgatgaagtcactggccagtgtaggaattgcttacg
caacaccaccggattcaagtgtgaacgttgcgctcctggctactatggggacgccaggatagccaagaactgtgcag
tgtgcaactgcgggggagggcccatgtgacagtgtaaccggagagaatgcttggagaaggttttgaaacccctacaggc
tgtgataagtgcgtctgggacctgactgatcactgcggttagcagcgtctccatcgagggaaggcaaatccgggggt
gctgagcgtatcctctggggcgcgcgtcataggcacgtgaatgaaatcaacgccaccatctacctctcaaaacaa
aattgtcagaaagagaaaaccaatacgccttaagaaagatacaaatcaacaatgctgagaacacgatgaaaagcctt
ctgtctgacgtagaggaattagttgaaaaggaaaatcaagcctccagaaaaggacaacttggtcagaaggaaagcat
ggacaccattaaccacgcaagtcagctggttagagcaagcccatgatatgagggataaaaatccaagagatcaacaaca
agatgctctattatggggaagagcatgaacttagcccaaggaaatctctgagaagctggtgttggcccagaagatg
cttgaagagattagaagccgtcaaccatttttcacccaacgggagctcgtggatgaggaggcagatgaggcttacga
actactgagccaggctgagagctggcagcggctgcacaatgagaccgcactctgtttcctgtcgtcctggagcagc
tgatgactacaatgctaagttgtcagatctccaggaagcacttgaccaggcccttaacctatgtcagggatgccga
gacatgaacaggggccacagcagccaggcagcgggaccatgagaacaacaggaaagagtgagggaacaaaatggaagt
ggtgaacatgtctctgagcacatctgcggactctctgacaacacctcgtctaactctttcagaacttgatgatataa
taaagaatgcgtcagggaatttatgcagaaatagatggagccaaaagtgaactacaagtaaaaactatctaacctagt
aacctcagccatgatttagtccaagaagctattgaccatgcacaggaccttcaacaagaagctaatgaattgagcag
gaagttgcacagttcagatatgaacgggctggtacagaaggctttggatgcatcaaatgtctatgaaaatattgtta
attatgttagtgaaagccaatgaaacagcagaatttgctttgaacaccactgaccgaatttatgatgcggtgagtggg
attgatactcaaatcatttaccataaagatgaaagtgagaacctcctcaatcaagccagagaaactgcaagcaaggc
agagtctagcagtgatgaagcagtggtgacactagcaggcgtgtgggtggagccctagcaaggaaaagtgcctta
aaaccagactcagtgatgccgttaagcaactacaagcagcagagagaggggatgccagcagcgcctggggcagctct
agactgatcaccgaggaagccaacaggacgacgatggaggtgcagcaggccactgccccatggccaacaactaac
caactggtcacagaatcttcaacattttgactctctgcttacaacactgcagtgaactctgctagggaatgcagtaa
gaaatctgaccgaggttgctcctcagctcctggatcagcttcgtacggttgagcagaagcgacctgcaagcaacgtt
tctgccagcatccagaggatccgagagctcattgctcagaccagaagtgttgccagcaagatccaagtctccatgat
gtttgatggccagtcagctgtggaagtgcactcgagaaccagtatggatgacttaaaggccttcacgtctctgagcc
tgtacatgaaacccccctgtgaagcggccggaactgaccgagactgcagatcagtttatcctgtacctcggaagcaaa
aacgccaanaaagagtatatgggtcttgcaatcaaaaatgataatctggtatacgtctataatttgggaactaaaga
tgtggagattccccctggactccaagcccgtcagttcctggcctgcttacttcagcattgtcaagattgaaaggggtg
gaaaacatggaaaggtgtttttaacagtcccagcttaagtagcacagcagaggaaggttcattaaaaaggggaa
tttgcgggagatgactctctgctggacctggacctgaggacacagtgtttatgttggtggagtgccttccaactt
caagctccctaccagcttaaacctgcctggctttgttggctgcctggaactggccactttgaataatgatgtgatca
gcttgtacaactttaagcacatctataatatggaccttccacatcagtgccatgtgcccgagataagctggccttc
actcagagtcgggctgccagttacttcttcgatggctccggttatgccgtggtgagagacatcacaggagaggggaa
atttggtcaggtgactcgctttgacatagaagttcgaacaccagctgacaacggccttattctcctgatggtcaatg
gaagtatgttttcagactggaaatgcgcaatggttacctacatgtgttctatgattttggattcagcagtgccgt
gtgcatcttgaagatacgttaaagaaagctcaaattaatgatgcaaaaatccatgagatctcaatcatttaccacaa
tgataagaaaatgatcttggtagttgacagaaggcatgtcaagagcatggataatgaaaagatgaaaatacctttta
cagatatatacattggaggagctcctccagaaatcttacaatccagggccctcagagcacaccttcccctagatatac
aacttcagaggatcgtgaagggttccagttccaaaagaaggacttcaatttactggagcagacagaaacccctggg
agttggttatggatgccagaagactcacttatatctcgcagagcatatttcaatggacagagcttcattgcttcaa
ttcagaaaatatctttctttgatggctttgaaggaggttttaatttccgaacattacaaccaaatgggttactattc
tattatgcttcagggtcagacgtgttctccatctcactggataatggtactgtcatcatggatgtaaaagggaatcaa
agttcagtcagtagataagcagtaaatgatgggctgtcccacttcgtcattagctctgtctcaccacaagatatg

FIGURE 7-B

aactgatagtagataaaaagcagagttgggagtaagaatcctaccaaagggaaaatagaacagacacaagcaagtga
aagaagttttacttcggtgggtcaccaatcagtgctcagtatgctaatttcactgggtgcataagtaatgcctactt
taccaggggtgtagatagatgtggaggttgaagatttccaacggtatactgaaaaggtccacacttctctttatgagt
gtcccataggagtcttcaccattgtttctcctccataaaaaaggaaaaaatttatccaagcctaaagcaagtcagaat
aaaaaggaggaggaaaagtaaaagatgcaccttcatgggatcctgttgctctgaaactcccagagcgggaatactccaag
aaactctcattgccacctttccaacagccctagagcaatagagcacgcctatcaatatggagggaacagccaacagcc
gccaagagtttgaacacttaaaaggagattttgggtgccaaatctcagttttccattcgtctgagaactcgttcctcc
catggcatgatcttctatgtctcagatcaagaagagaatgacttcatgactctatttttggcccatggccgcttggt
ttacatgtttaatgtttggtcacaaaaaactgaagattagaagccaggagaaatacaatgatggcctgtggcatgatg
tgatatttatttcgagaaaggagcagtgggcgactggtaattgatgggtctccgagtcctagaagaaagtcttcctcct
actgaagctacctggaaaatcaagggtcccatttatttgggaggtgtgggtcctggaaaggctgtgaaaaatgttca
gattaactccatctacagtttttagtgggtgtctcagcaatctccagctcaatggggcctccatcacctctgcttctc
agacattcagtgtagcccttgctttgaaggcccatggaaacaggaacttacttttcaacagaaggaggatacgtg
gttctagatgaatctttcaatattggattgaagtttgaaattgcatttgaagtcctgcccagaagcagttccggaac
cctggtccacggccacagtggtcaatggggagtagcctaaatgttcacatgaaaaatggacaggtcatagtgaagtca
ataatggcatcagagatttttccacctcagtaacaccaagcagagtcctctgtgatggcagatggcacagaattaca
gttatttagagatttcaatgtggttcagttggatgtggactctgaagtgaaccatgtggttggaccctgaatccaaa
accaattgatcacaggagcctgtgtttgttggaggtgttccagaatctctactgacaccacgcttggccccagca
aacccttcacagggtgcatacgccacttgtgattgatggacaccagtgagcttcagtaaagcagccctggtcagc
ggcgccgtaagcatcaactcctgtccagcagcctgacatgacagagcacagctgcccataatacaaaagtcttttagag
cactgaaagaaacacaaagccagccaggaggaacagtaactcttccttcgggtggaagctttcatcgagttgaacag
gacttaaacgaatcatcagggaccggatatttcttatttctcatttggattcttaaccttgaatccaaagtgtctgc
aatggacaacaattgaaggagaggcaaaacttacttgtattgagagcacacgcaattcctactggtgaaattactgtt
tctgtttctaataaaaatagaagggttccaaataaacacttgcacacatttttgaagtgcggctagattctcagatt
cacctttcttcagggaagataaactttcaatctatataaaaaatctctgtcctaaaactacctttctttattttgaag
agacttactaacttacatataatctaaattagatgatagatttcttttttagcccttttgtttggtctatcagtataa
gaagaatatttttaggtttatagctgaagttatcaaggtttaataaagtaaatttctaaca

FIGURE 8

NM_001819 [gi:4502806] Homo sapiens chromogranin B (secretogranin 1)
(CHGB), mRNA

ccaggaggcacgctgggttttccggggccgctccatcgcgcttctctctcgctcgcttctccggtccagccgcca
tcttcctttccgcacaggggcccgcgagcggggcccagcagccaacgctgcttctcagcctcctgggagccgtgggg
ctggcggtgtcaattccatgccagtgataaacaggaaccacaatgaaggaaatgggtgactcgctgcatcattgaggt
cctctcaaatgccttgtcgaagtccagcgctccacccatcacccctgagtgccgccaagtccgaagacgagtagaa
aagacgtcaaagacaaagagacaactgaaaatgaaaacacaaagtttgaagtaagattgttaagagacccagctgat
gcctcggaagcccacgagtcctccagcaggggagaggcaggagccccaggggaggaggacatccaaggcccaacaaa
ggcagacacagagaaatgggcagagggaggcgggcacagccgagagcgagcggtgagccccagtgaggcctctatc
cctccgacagccaagtctctgaagaagtgaagacacgccattctgagaagagccagagagaggatgaggaggaggag
gaggagagagaactatcaaaaaggggagcgaggggaagatagcagtgaagagaaacaccttgaagagccaggagagac
acaaaacgcttttctcaatgaaagaaagcaggcttcagctataaaaaaaggaggattagtgccagatcggaacac
atgtgcccgggcattctcaggagaagacacatagccgagagaagagttagccaggagagtgaggaggaggcaggggagc
caggagaatcacccccaggagtcctaaaggccaaccccgaagccagggaagaatctgaggaaagtgaggaaagatgccac
ctctgaggtggacaaacgacgcacgaggcccagacaccaccacgggaggagcaggccccgacaggtcctctcaaggag
ggagtcttccctctgaggaaaagggacacccccaggaggaaatctgaggagtcaaacgtcagcatggccagtttaggg
gaaaagagggaccaccattcaacccactacagggcttcagaggaagaacctgaatatggagaagaaataaagggtta
tccaggcgtccaggcccctgaggacctggagtgggagcgctataggggcagaggaagtgaagaatacagggtccaa
gacctcagagtgaggagagttgggatgaggaggacaagagaaactaccccagcttagagcttgataagatggcacat
ggatatggtgaagaaagtgagggaagagaggggaccttgagccgggaaaggagcgccatcacagaggcaggggaggga
gccacgtgctatttcatgtctgacaccagagaagagaaaaggttcttgggtgaaggacaccaccgtgtccaagaaa
accagatggacaaggcaaggaggcatccacaaggtgcgtggaaagagctggacagaaattatctcaactacggtgag
gaaggagccccagggaagtggcagcagcagggagacctgcaggacactaaagaaaacagggaggaagctaggtttca
agataaacaatatagctcccatcacacagctgaaaagaggaagagattaggggaactgttcaaccatactacgacc
ctctccagtggagagcagccattttgaaagaagagacaacatgaatgacaattttctcgagggtgaggaggaaaat
gagctgaccttgaacgagaagaatttcttcccagaatacaactatgactgggtgggagaaaaagcccttctctgagga
tgtgaactgggggtatgagaagagaaacctcgccagggtccccaagctggacctgaaaaggcaatatgacagggtgg
cccaactggaccagctccttactacaggaagaagtcagctgagtttcagacctctatgattctgaggagccggtg
agcaccaccaggaggcagaaaaatgaaaaggacagggctgaccagacagtcctgacagaggacgagaaaaaagaact
cgaaaacttggctgcaatggatttggaactacagaagatagctgagaaattcagccaaaggggctgactgtcattgg
agcgggtgggcactgttaagaagcagccatcacatgatctgtttttcaccacttcactgaaagacaccatttatatac
ccaagggcagaaaagtagaacttactattcattaaatgtttgacacaattggaattgtctttaatttctgtcagaatg
ctattgaaaatgtgaattgcatgacttgtagcatattcttttctgcaaaatagacatattaacatgcttatgacaat
gactgtgctactgtcttttgaaaaatgtttgtctcagttggaataataaaaagattcacctgagacc

FIGURE 9

XM_294692 [gi29746497] Homo sapiens hypothetical LOC338749 (LOC338749), mRNA

ttcagacctgtagatgggctcttcttggacattctggagtccttgggggaaaggggaagtctgaagctcagttggcca
cctctgcataaacaataccgagagcactgcaagtggagcttggacaaggtctggaaaatcagccttcttctggatgc
ctccagcctttgctatcatctgcctaggaggttgggaagttactcaagcggctcaaggaaaagtcctatttctgttg
cagttgatttggagttatgtgatgtgtagcccatcagaagtaagcagaaaaactttgtgccgttttctatcctggaaa
taacacccccgccccctggccccgctgcattatcagccactcctcttctactcctttctatggctccagaagtgaaga
gctctgaaatgcctaaattgccagatgggaacatctttactgcttggagaaagccacacaggagttacctgacctgc
cttgatggtgacatgagtgagaaataaacctttgttgggtagactgct

FIGURE 10-A

Ensembl- GP6 protein sequence
ENSP00000308782

rs1671152 (G/T = K = T323K)
MSPSPALTALFCLGLCLGRVPAQSGPLPKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRLE
KLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQF
GPAVSSGGDVTLCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPITVTAAHSGTYRC
YSFSSRDPLYLSAPSDPLELVVTGTSTVTPSRLPTEPPSPVAEFSEATAELTVSFTNEVFT
TETSRISITASPKESDPAGESCPPVLHQQPGPDMPRGCDPNNPGGVSGRGLAQPEEAPA
AQGGGCAEAASAPPAPPADPEIKRGSGWRPTGCSQPRVMFMTAEPQARSYPREGSWHGRR
LKDWRVWSVEAGGQRLQLWKRGHAASSWCSIREPFGQCLSVCLPLCLRAPSIWDGRNLWR
PHPPPCTLWMTWYPGWTTYWPLSSTSLIWAPDGSLRFPALRVDSVPSSVQNPPVLPFGPL
CSCLVFPRNSHPHSISHCGLTNLLSSLRTGLAGSLGMSFIFLSVKLARCPLPFTLENKIS
LCNMVKPHLYQQNKKTQKLARCGGASLYSQQLRGLRWENGLSLGGRGCSELRSHHCTLAR
VTKPDFVSKNTGMNMSITLI

FIGURE 10-B

Ensembl - Q9HCN7 protein sequence
ENSP00000334552

rs1671152 (G/T = K = H304N)

321 aa

MSPSPTALFCLGLCLGRVPAQSGPLPKPSLQALPSSLVPLEKPVTLCQGPPGVDLYRLE
KLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQF
GPAVSSGGDVTLCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPITVTAAHSGTYRC
YSFSSRDPYLWSAPSDPLELVVTEFSEATAELTVSFTNEVFTTETSRSTITASPKESDSPA
GPARQYYTKGNLVRICLGAVILIIILAGFLAEDWHSRRKRLRHRGRAVQRPLPPLPPLPLT
RKSNGGQDGGGRQDVHSRGLCS

FIGURE 10-C

NCBI - GP6 protein sequence
NP_057447

339 aa
MSPSP TALFCLGLCLGRVPAQSGPLPKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRLEKLSSSRYQDQ
AVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQPGPAVSSGGDVTLCQTRYGF
DQFALYKEGDPAPYKNPERWYRASFP IITVTAAHSGTYRCYSFSSRDPYLWSAPSDPLELVVTGTSVTPS
RLPTEPPSSVAEFSEATAELTVSFTNKVFTTETSR SITTSPKESDSPAGPARQYYTKGNLVRICLGAVIL
IILAGFLAEDWHSRRKRLRHRGRAVQRPLPPLPPLPQTRKSHGGQDGGRRQDVHSRGLCS

FIGURE 11-A

NP_002281 [gi:4504949] laminin, alpha 4 precursor

MALSSAWRSVLPLWLLWSAACSRAASGDDNAFPFDIEGSSAVGRQDPPETSE
PRVALGRLPPAAEKCNAAGFFHTLSGECVPCDCNNGNSNECLDGSgyCVHCQRN
TTGEHCEKCLDGYIGDSIRGAPQFCQPCPCPLPHLANFAESCVRKNGAVRCIC
NENYAGPNCERCAPGYYGNNPLLIGSTCKKCDSCGNSDPNLFEDCDEVGTQC
RNCLRNTTGFKCERCAPGYYGDAARIAKNCAVCNCGGGPCDSVTGECLEEGFE
PPTGCDKCVWDLTDDLRLAALSIEEGKSGVLSVSSGAAAHRHVNEINATIYLL
KTKLSERENQYALRKIQINNAENTMKSLLSDVEELVEKENQASRKQQLVQKE
SMDTINHASQLVEQAHDMDRKIQEINNKMPLYGEEHELSPKEISEKLVLAK
MLEEIRSROPFFTQRELVDEEADAEAYELLSQAESWQRLHNETRTLFPVVLEQL
DDYNAKLSDLQEALDQALNHVRDAEDMNRATAARQRDHEKQQERVREQM
EVVNMSLSTSADSLTTPRLTLSELDDIKNASGIYAEIDGAKSELQVKLSNLSN
LSHDLVQEAIQHAQDLQEQANELSRKLHSSDMNGLVQKALDASNVEYENIVN
YVSEANETAFAFALNTTDRIYDAVSGIDTQIIYHKDESENLLNQARELQAKAES
SSDEAVADTSRRVGGALARKSALKTRLSDAVKQLQAAERGDAQQRLGQSRL
ITEANRTTMEVQQATAPMANNLTNWSQNLQHFDSSAYNTAVNSARDAVRN
LTEVVPQLLDQLRTVEQKRPAASNVSASIQRIRELIAQTRSVASKIQVSMFMDG
QSAVEVHSRTSMDDLKFTSLSLYMKPPVKRPELTETADQFILYLGSKNAKK
EYMGLAIKNDNLVYVYNLGTKDVEIPLDSKPVSSWPAYFSIVKIERVGKHGK
VFLTVPSSLSTAEKFIKKGEFSGDDSLDLDPEDTVFYVGGVPSNFKLPTSLN
LPGFVGCLELATLNNDVISLYNFKHIYNMDPSTSVPCARDKLAFTQSRAASYF
FDGSGYAVVRDITRRGKFGQVTRFDIEVTRTPADNGLILLMVNGSMFFRLEM
NGYLHVFDYDFGFSSGRVHLEDTLKKAQINDAKYHEISIIYHNDKKMILVDDR
HVKSMNEKMKIPFTDIYIGGAPPEILQSRALRAHLPLDINFRGCMKGFQFQK
KDFNLLEQTETLGVGYGCPEDSLISRAYFNGQSFIASIQKISFFDGFEGGFNFR
TLQPNGLLFYYASGSDVFSISLDNGTVIMDVKGKIQSVQSDKQYNDGLSHFVIS
SVSPTRYELIVDKSRVGSKNPTKGKIEQTQASEKKFYFGGSPISAQYANFTGCI
SNAYFTRVDRDVEVEDFQRYTEKVHTSLYECPIESSPLFLLHKKGKNLSKPKA
SQNKKGKSKDAPSWDPVALKLPERNTPRNSHCHLSNSPRAIEHAYQYGGTA
NSRQEFELKGDGFAKSQFSIRLRTRSSHGMIFYVSDQEENDFMTLFLAHGRL
VYMFNVGHKKLKIRSQEKYNDGLWHDVIFIRERSSGRLVIDGLRVLEESLPPT
EATWKIKGPIYLGAVPGKAVKNVQINSIYSFSGCLSNLQLNGASITSASQTFS
VTPCFEGPMETGTYFSTEGGYVVLDESFNIGLKFEIAFEVRPRSSSGTLVHGHS
VNGEYLVNVMKNGQVIVKVNNGIRDFSTSVTPKQSLCDGRWHRITVIRDSNV
VQLDVDSEVNVHVGPLNPKPIDHREPVFVGGVPESLLTPRLAPSKPFTGCIRHF
VIDGHPVSFSKAALVSGAVSINSCPAA

FIGURE 11-B

LAMA4 Domains

Gene	Prediction Method	Accession ID	Domain Description	Start	End
LAMA4	Pfam	PF00053	Laminin_EGF	82	129
LAMA4	Pfam	PF00053	Laminin_EGF	132	184
LAMA4	Pfam	PF00053	Laminin_EGF	187	241
LAMA4	Pfam	PF06008	Laminin Coiled-coil I	297	555
LAMA4	Pfam	PF06009	Laminin Coiled-coil II	734	861
LAMA4	Pfam	PF00054	Laminin_G	1079	1213
LAMA4	Pfam	PF00054	Laminin_G	1499	1629
LAMA4	Pfam	PF00054	Laminin_G	1676	1804
LAMA4	prosite	PS00022	EGF_like	155	166
LAMA4	prosite	PS00225	Crystallin	1107	1122
LAMA4	prosite	PS01248	Laminin_EGF	98	132
LAMA4	prosite	PS01248	Laminin_EGF	155	189
LAMA4	prosite	PS01248	Laminin_EGF	209	243
LAMA4	pfscan	PS50027	Laminin_EGF	79	125
LAMA4	pfscan	PS50027	Laminin_EGF	129	181
LAMA4	pfscan	PS50027	Laminin_EGF	184	236

FIGURE 12

NP_0001810 [gi:4502807] chromogranin B precursor; Chromogranin B
(secretogranin B) [Homo sapiens]

MQPTLLLSLLGAVGLAAVNSMPVDNRNRHNEGMMVTRCIIEVLSNALS~~SKSSAPPI~~
TPECRQVLKTSRKDVKDKETTENENTKFEVRLLRDPADASEAH~~ESSSRGEAG~~
APGEEDIQGPTKADTEKWAEGGGHSRERADEPQWSLYPSDSQVSEEVKTRHS
EKSQREDEEEEEGENYQKGERGEDSSEEKHLEEPGETQNAFLNERKQASAIKK
EELVARSETHAAGHSQEKTHSREKSSQESGEEAGSQENHPQESKGQPRSQEES
EEGEEDATSEVDKRRTRPRHHHGRSRPDRSSQGGS~~LPSEEKGHPQEESEESNV~~
SMASLGEKRDHHSTHYRASEEEPEYGEEIKGYPGVQAPEDLEWERYRGRGSE
EYRAPRPQSEESWDEEDKRNYPSELDKMAHGYGEESEEERGLEPGKGRHHR
GRGGEPRAYFMSDTREEKRFLGEGHHRVQENQMDKARRHPQGA~~WKELDRN~~
YLNYGEEGAPGKWQQQGD~~LQDTKENREEARFQDKQYSSHHTAEKRKRLGE~~
LFNPYYDPLQWKSSHFERRDNMNDNFLEGEENELTLNEKNFFPEYNYDWW
EKKPFSE~~DVNWGYEKRNLARVPKLDLKRQYDRVAQLDQLLHYRKKSAEFPD~~
FYDSEEPVSTHQEAENEKDRADQTVLTEDEKKELENLAAMDLELQKIAEKFS
QRG

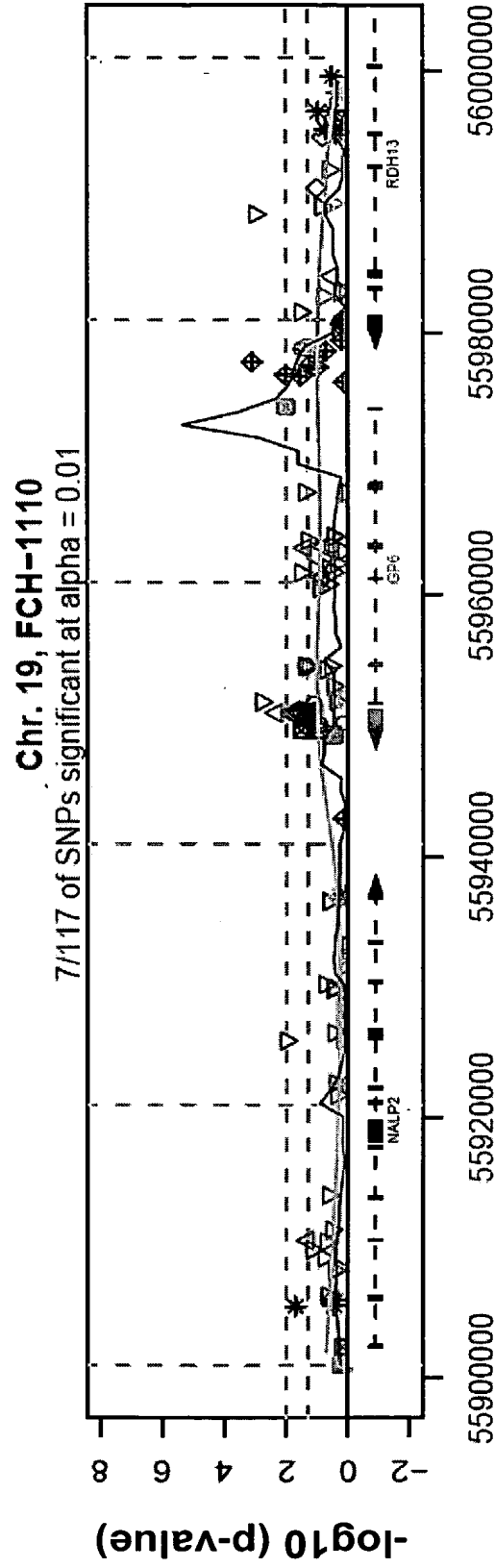
FIGURE 13

XP_294692 [gi:29746498] hypothetical protein XP_294692 [Homo sapiens]

MPPAFAIICLGGWKLLKRLKEKSLFLLQLIWSYVMCSPSEVSRKLCVFPYGN
NTPAPWPRCIISHSSSLLSMAPEVKSSSEMPKLPDGNIFTAWRKPHRSYLTCLG
W

FIGURE 14

GP6



Chromosome position

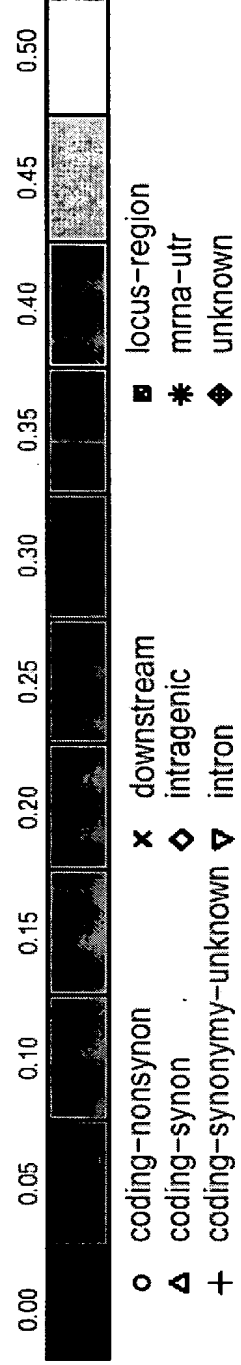
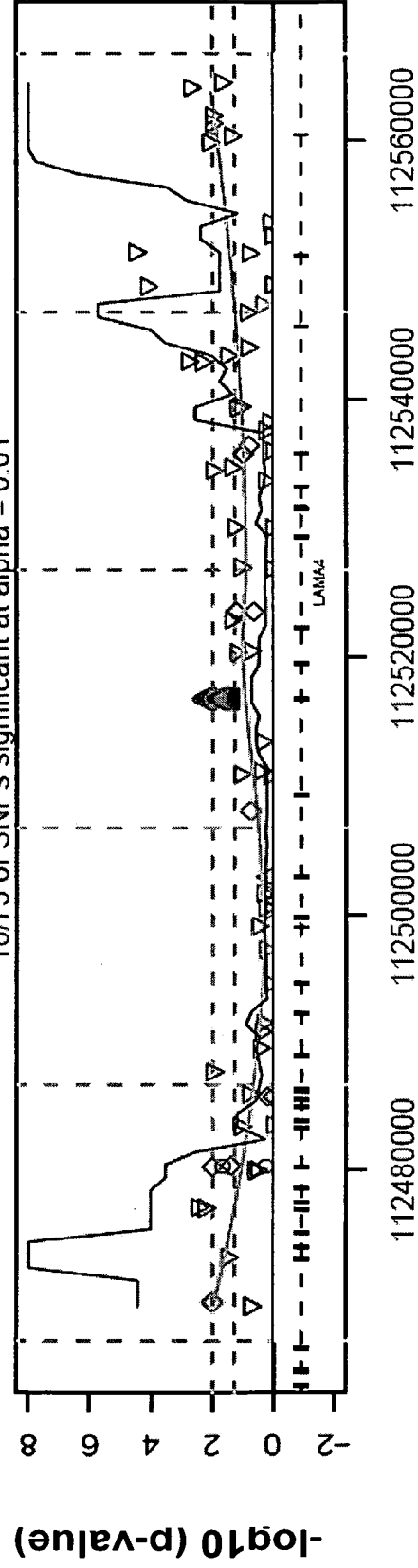


FIGURE 15

LAMA4

Chr. 6, GP06_122712853
16/75 of SNPs significant at $\alpha = 0.01$



Chromosome position

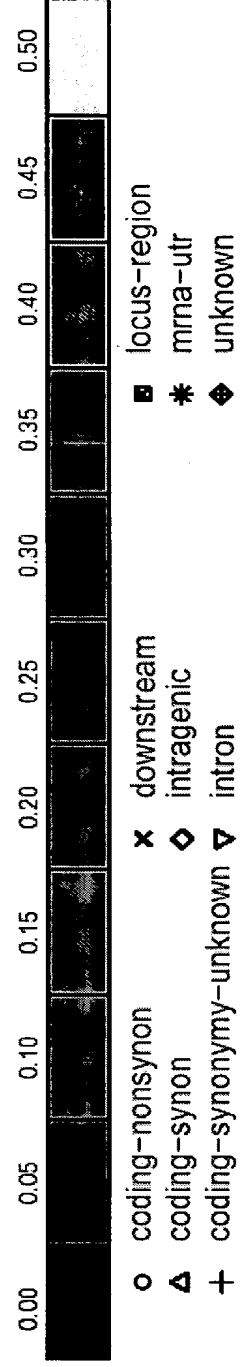


FIGURE 16

C20orf154 & CHGB Region

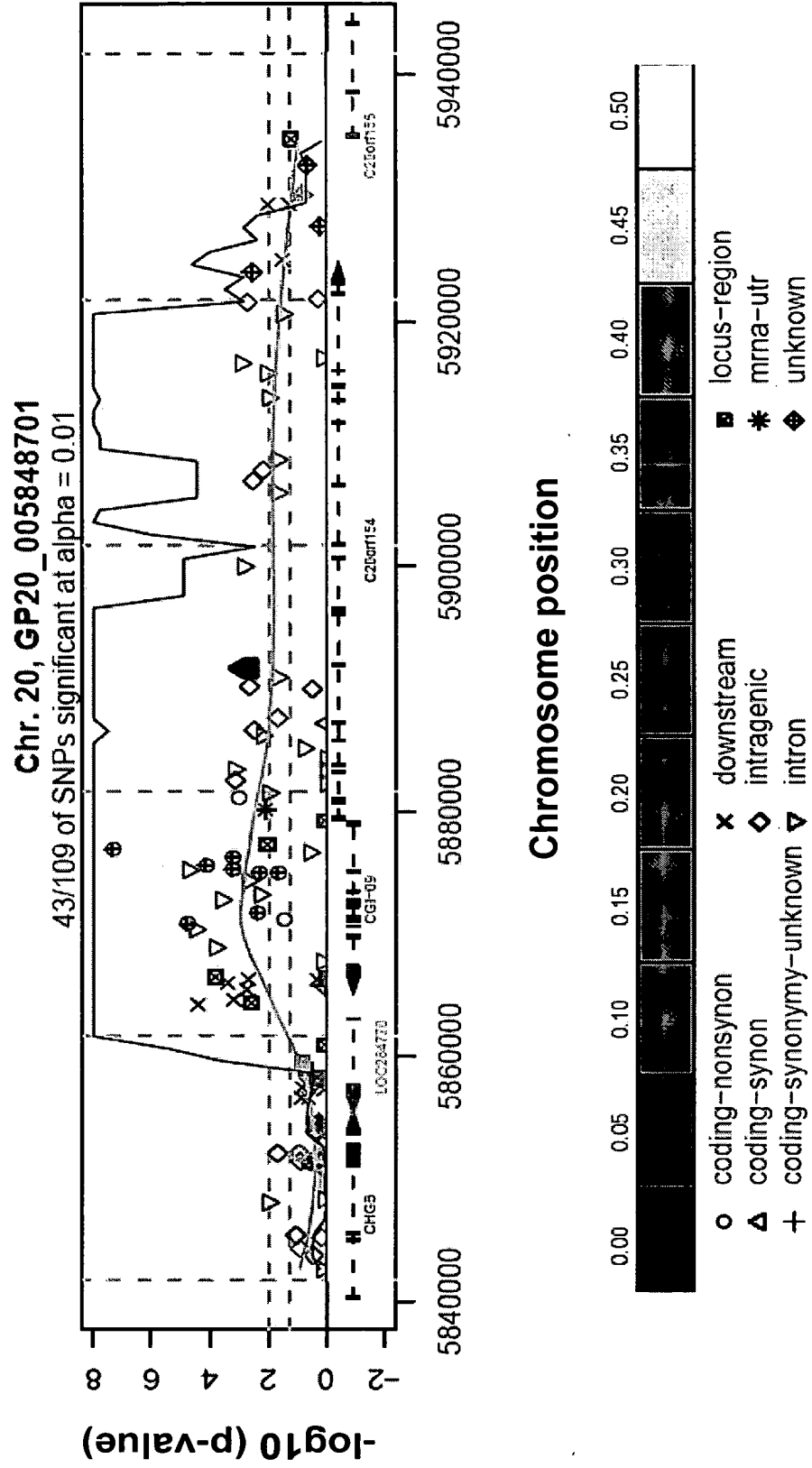
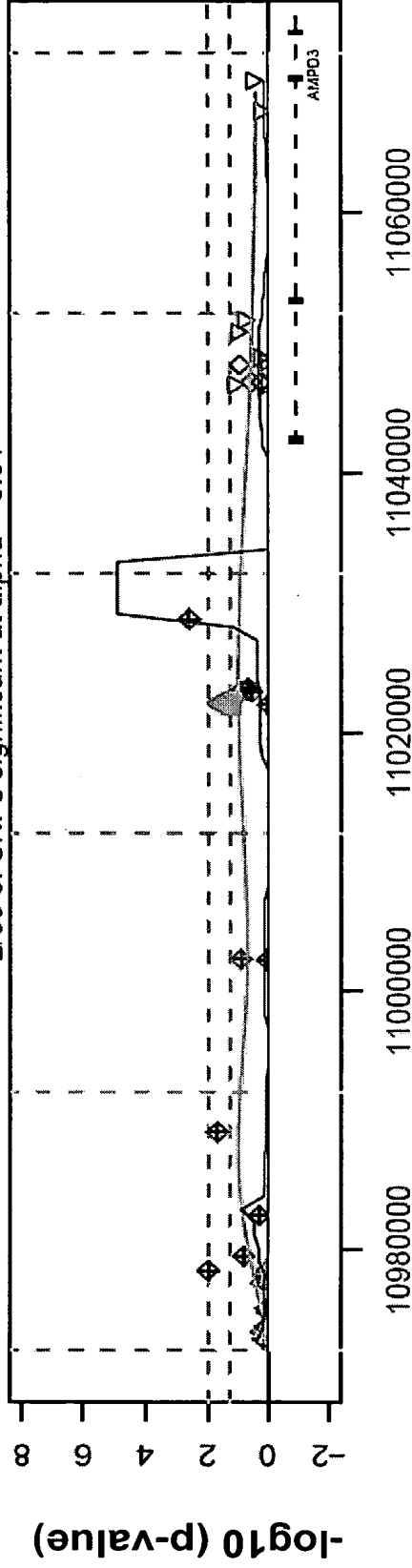


FIGURE 17

LOC338749

Chr. 11, GP11_009820423

2/39 of SNPs significant at $\alpha = 0.01$



Chromosome position

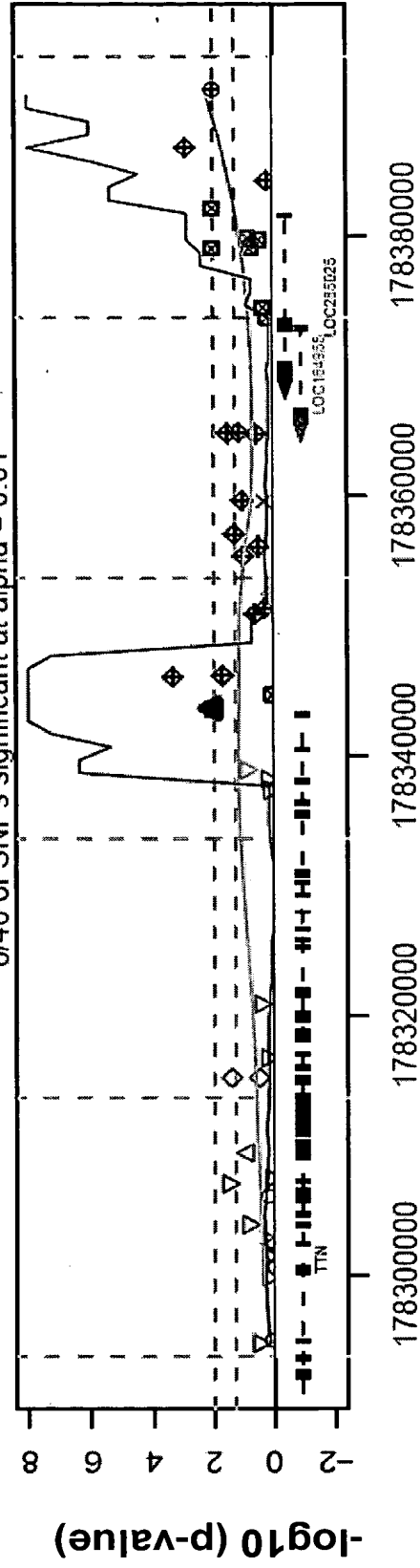


FIGURE 18

TTN

Chr. 2, GP02_182455447

8/46 of SNPs significant at $\alpha = 0.01$



Chromosome position

